FCC PART 15.407
ISED RSS-247 ISSUE 3
LP0002-2020
DYNAMIC FREQUENCY SELECTION
TEST REPORT

For

Cisco Systems Inc.

FCC: 125 West Tasman Drive
San Jose, CA 95134-1706
IC: 170 W. Tasman Drive, Building P & 7
San Jose, CA 95134, United States of America (Excluding The States of Alaska)

FCC ID: LDKIW9165DH
IC: 2461A-IW9165DH
Similar Model: IW9165DH-ROW, IW9165DH-A, IW9165DH-B

Report Type: Permissive Change		**Product Type:** Access Point
Prepared By	Tao Jin Test Engineer	
Report Number	R2309114-01	
Report Date	2023-10-09	
Reviewed By	Christian McCaig RF Lead Engineer	
Bay Area Compliance Laboratories Corp. 1274 Anvilwood Ave Sunnyvale, CA 94089, USA Tel: (408) 732-9162, Fax: (408) 732 9164		

ACCREDITED
CERTIFICATE #3297.02

* This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "*" (Rev.3)

TABLE OF CONTENTS

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R2309114-01	Permissive Change	2023-10-09

1 General Description

1.1 Product Description for Equipment Under Test (EUT)

This test report was prepared on behalf of *Cisco Systems Inc*., and their product *FCC ID: LDKIW9165DH, IC: 2461A-IW9165DH,* Model: IW9165DH-B (FCC) and IW9165DH-A (ISED) as referred to as EUT in this report. The product is a BLE, 4.9 GHz, 5G Wi-Fi dual band, 6E Wi-Fi, and GNSS Outdoor 2x2 Access Point. The EUT has two radios: Pine and Cobalt. Pine supports up to 160 MHz channel bandwidth configurations, and Cobalt supports up to 80 MHz channel bandwidth configurations. Both radios support operation in Access Point (AP) mode; point to point (P2P) mode; point to multipoint (P2MP) mode; and point to multipoint Client Mode with Radar Detection.

IW9165DH-ROW and IW9165DH-A are electrically identical with the tested model: IW9165DH-B. Please refer to the Manufacturer Declaration of Similarity Letter in Annex A.

The EUT supports AP mode for operation.

IW9165DH-B - B domain (Hardware PID)
IW9165DH-B-AP – Wi-Fi mode
IW9165DH-B-URWB – URWB Mode

IW9165DH-A - A domain (Hardware PID)
IW9165DH-A -AP – Wi-Fi mode
IW9165DH-A-URWB – URWB Mode

IW9165DH-ROW - ROW domain (Hardware PID)
IW9165DH-ROW-AP – Wi-Fi mode
IW9165DH-ROW-URWB – URWB Mode

Note: 5600-5650 MHz range shall not be applicable to ISED.
Note: 160 MHz bandwidth wil not be applicable to ISED.

1.2 Mechanical Description of EUT

Length (cm)	Width (cm)	Height (cm)	Weight (kg)	S/N
19.6	18.0	6.0	1.60	FOC2647776J

1.3 Objective

This report is prepared on behalf of *Cisco Systems Inc.* in accordance with FCC CFR47 §15.407 (h), RSS-247 Issue 3, and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02, performing testing for DFS Detection Threshold, Channel Availability Check Time, Uniform Spreading U-NII Detection Bandwidth, Channel Closing Transmission Time, and Channel Move time in AP mode.

This report is for the purpose of a Class II permissive change for including AP Mode with Radar Detection.

1.4 Related Submittal(s)/Grant(s)

N/A

1.5 Test Methodology

FCC CFR 47 Part2, Part15.407 (h), RSS-247 Issue 3

KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVICES OPERATING IN THE 5250-5350 MHz AND 5470-5725 MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION.

1.6 Test Facility Registrations

BACLs test facilities that are used to perform Radiated and Conducted Emissions tests are currently recognized by the Federal Communications Commission as Accredited with NIST Designation Number US1129.

BACL's test facilities that are used to perform Radiated and Conducted Emissions tests are currently registered with Industry Canada under Registration Numbers: 3062A-1, 3062A-2, and 3062A-3.

BACL is a Chinese Taipei Bureau of Standards Metrology and Inspection (BSMI) validated Conformity Assessment Body (CAB), under Annex B, Phase I Procedures of the APEC Mutual Recognition Arrangement (MRA). BACL's BSMI Lab Code Number is: SL2-IN-E-1002R.

BACL's test facilities that are used to perform AC Line Conducted Emissions, Telecommunications Line Conducted Emissions, Radiated Emissions from 30 MHz to 1 GHz, and Radiated Emissions from 1 GHz to 6 GHz are currently recognized as Accredited in accordance with the Voluntary Control Council for Interference [VCCI] Article 15 procedures under Registration Number A-0027.

1.7 Test Facility Accreditations

Bay Area Compliance Laboratories Corp. (BACL) is:

A- ***An independent, 3rd-Party, Commercial Test Laboratory accredited to ISO/IEC 17025:2017 by A2LA (Test Laboratory Accreditation Certificate Number 3297.02),*** in the fields of: Electromagnetic Compatibility and Telecommunications. Unless noted by an Asterisk (*) in the Compliance Matrix (See Section 3 of this Test Report), BACL's ISO/IEC 17025:2017 Scope of Accreditation includes all of the Test Method Standards and/or the Product Family Standards detailed in this Test Report.

BACL's ISO/IEC 17025:2017 Scope of Accreditation includes a comprehensive suite of EMC Emissions, EMC Immunity, Radio, RF Exposure, Safety and wireline Telecommunications test methods applicable to a wide range of product categories. These product categories include Central Office Telecommunications Equipment [including NEBS - Network Equipment Building Systems], Unlicensed and Licensed Wireless and RF devices, Information Technology Equipment (ITE); Telecommunications Terminal Equipment (TTE); Medical Electrical Equipment; Industrial, Scientific and Medical Test Equipment; Professional Audio and Video Equipment; Industrial and Scientific Instruments and Laboratory Apparatus; Cable Distribution Systems, and Energy Efficient Lighting.

B- ***A Product Certification Body accredited to ISO/IEC 17065:2012 by A2LA (Product Certification Body Accreditation Certificate Number 3297.03)*** to certify

- For the USA (Federal Communications Commission):
    1- All Unlicensed radio frequency devices within FCC Scopes A1, A2, A3, and A4;
    2- All Licensed radio frequency devices within FCC Scopes B1, B2, B3, and B4;
    3- All Telephone Terminal Equipment within FCC Scope C.
- For the Canada (Industry Canada):
    1 All Scope 1-Licence-Exempt Radio Frequency Devices;

2 All Scope 2-Licensed Personal Mobile Radio Services;
3 All Scope 3-Licensed General Mobile & Fixed Radio Services;
4 All Scope 4-Licensed Maritime & Aviation Radio Services;
5 All Scope 5-Licensed Fixed Microwave Radio Services
6 All Broadcasting Technical Standards (BETS) in the Category I Equipment Standards List.

- For Singapore (Info-Communications Development Authority (IDA)):

1 All Line Terminal Equipment: All Technical Specifications for Line Terminal Equipment – Table 1 of IDA MRA Recognition Scheme: 2011, Annex 2
2. All Radio-Communication Equipment: All Technical Specifications for Radio-Communication Equipment – Table 2 of IDA MRA Recognition Scheme: 2011, Annex 2

- For the Hong Kong Special Administrative Region:

1 All Radio Equipment, per KHCA 10XX-series Specifications;
2 All GMDSS Marine Radio Equipment, per HKCA 12XX-series Specifications;
3 All Fixed Network Equipment, per HKCA 20XX-series Specifications.

- For Japan:

1 MIC Telecommunication Business Law (Terminal Equipment):
- All Scope A1 - Terminal Equipment for the Purpose of Calls;
- All Scope A2 - Other Terminal Equipment

2 Radio Law (Radio Equipment):
- All Scope B1 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 1 of the Radio Law
- All Scope B2 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 2 of the Radio Law
- All Scope B3 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 3 of the Radio Law

C- ***A Product Certification Body accredited to ISO/IEC 17065:2012 by A2LA (Product Certification Body Accreditation Certificate Number 3297.01)*** to certify Products to USA's EnvCobaltmental Protection Agency (EPA) ENERGY STAR Product Specifications for:

1 Electronics and Office Equipment:
- for Telephony (ver. 3.0)
- for Audio/Video (ver. 3.0)
- for Battery Charging Systems (ver. 1.1)
- for Set-top Boxes & Cable Boxes (ver. 4.1)
- for Televisions (ver. 6.1)
- for Computers (ver. 6.0)
- for Displays (ver. 6.0)
- for Imaging Equipment (ver. 2.0)
- for Computer Servers (ver. 2.0)

2 Commercial Food Service Equipment
- for Commercial Dishwashers (ver. 2.0)
- for Commercial Ice Machines (ver. 2.0)
- for Commercial Ovens (ver. 2.1)
- for Commercial Refrigerators and Freezers

3 Lighting Products
- For Decorative Light Strings (ver. 1.5)
- For Luminaires (including sub-components) and Lamps (ver. 1.2)
- For Compact Fluorescent Lamps (CFLs) (ver. 4.3)
- For Integral LED Lamps (ver. 1.4)

4 Heating, Ventilation, and AC Products
- for Residential Ceiling Fans (ver. 3.0)
- for Residential Ventilating Fans (ver. 3.2)

5 Other

- For Water Coolers (ver. 3.0)

D- ***A NIST Designated Phase-I and Phase-II Conformity Assessment Body (CAB) for the following economies and regulatory authorities under the terms of the stated MRAs/Treaties:***

- Australia: ACMA (Australian Communication and Media Authority) – APEC Tel MRA -Phase I;
- Canada: (Innovation, Science and Economic development Canada - ISEDC) Foreign Certification Body – FCB – APEC Tel MRA -Phase I & Phase II;
- Chinese Taipei (Republic of China – Taiwan):
  - BSMI (Bureau of Standards, Metrology and Inspection) APEC Tel MRA -Phase I;
  - NCC (National Communications Commission) APEC Tel MRA -Phase I;
- European Union:
  - EMC Directive 2014/30/EU US-EU EMC & Telecom MRA CAB (NB)
  - Radio Equipment (RE) Directive 2014/53/EU US-EU EMC & Telecom MRA CAB (NB)
  - Low Voltage Directive (LVD) 2014/35/EU
- Hong Kong Special Administrative Region: (Office of the Telecommunications Authority – OFTA) APEC Tel MRA -Phase I & Phase II
- Israel – US-Israel MRA Phase I
- Republic of Korea (Ministry of Communications - Radio Research Laboratory) APEC Tel MRA -Phase I
- Singapore: (Infocomm Media Development Authority - IMDA) APEC Tel MRA -Phase I & Phase II;
- Japan: VCCI - Voluntary Control Council for Interference US-Japan Telecom Treaty VCCI Side Letter-
- USA:
  - ENERGY STAR Recognized Test Laboratory – US EPA
  - Telecommunications Certification Body (TCB) – US FCC;
  - Nationally Recognized Test Laboratory (NRTL) – US OSHA
- Vietnam: APEC Tel MRA -Phase I;

2 EUT Test Configuration

2.1 Justification

The EUT was configured for testing according to FCC Part 15.407(h), RSS-247 Issue 3, and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

2.2 EUT Exercise Software

The test used TeraTerm and test commands, provided by *Cisco Systems Inc.*, the software is compliant with the standard requirements being tested against.

For reference, the firmware running on the EUT was the following version:

2023/08/23 22:01:24 PDT
svn base: de018fb57ea3fd70ec8d7e6c3ec1fc3167131828M
commit: b6124aa80fa50d5a3ac803bd47623621c929fed1
tree 4a206a0f288bc2fa311411af9f4751dce88b195d
recent commit: de018fb57ea3fd70ec8d7e6c3ec1fc3167131828

2.3 Equipment Modifications

N/A

2.4 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell	Laptop RF1	Latitude E7440	C71SYZ1
Dell	DFS Laptop	Latitude E6410	FFXR4Q1

2.5 Remote Support Equipment

Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	T490	PF-274C83
Cisco	Switch	Catalyst 3850 24X UPOE	FCW2022F13W

2.6 Interface Ports and Cables

Cable Description	Length	To	From
Power cable	2 m	PoE	EUT
Ethernet cable	2 m	EUT	Switch
Serial Port cable	2 m	EUT	Laptop RF1
Ethernet cable	2 m	Switch	Laptop RF1

3 Summary of Test Results

The following result table represents the list of measurements required under the FCC CFR47 §15.407 (h), RSS-247 Issue 3, and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

Items	Description of Test	Results
Detection Bandwidth	UNII Detection Bandwidth	Compliant
Performance Requirements Check	Initial Channel Availability Check Time (CAC)	Compliant
	Radar Burst at the Beginning of the CAC	Compliant
	Radar Burst at the End of the CAC	Compliant
In-Service Monitoring	Channel Move Time	Compliant
	Channel Closing Transmission Time	Compliant
	Non-Occupancy Period	Compliant
Radar Detection	Statistical Performance Check	Compliant

Disclaimer: *BACL is responsible for all the information provided in this report, except when information is provided by the customer as identified in this report. Information provided by the customer, e.g., antenna gain, can affect the validity of results.*

4 Applicable Standards

4.1 DFS Requirement

FCC CFR47 §15.407 (h), RSS-247 Issue 3 and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

Table 1: Applicability of DFS requirements prior to use of a channel

Requirement	Operational Mode		
	Master	Client (Without radar detection)	Client (With radar detection)
Non-Occupancy Period	Yes	Not Required	Yes
DFS Detection Threshold	Yes	Not Required	Yes
Channel Availability Check Time	Yes	Not Required	Not Required
U-NII Detection Bandwidth	Yes	Not Required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	Master Device or Client with Radar Detection	Client Without Radar Detection
DFS Detection Threshold	Yes	Not Required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not Required

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

Table 3: Interference Threshold for Master and Client with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2 and 3)
EIRP≥ 200 milliwatt	-64 dBm
EIRP< 200 milliwatt and power spectral density < 10dBm/MHz	-62 dBm
EIRP< 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. **Note 2:** Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. **Note3**: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds ***See Note 1***.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. ***See Notes 1 and 2***.
U-NII Detection Bandwidth	Minimum 100% of the UNII 99% transmission power bandwidth. ***See Note 3***.

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

Table 5: Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (Microseconds)	PRI (Microseconds)	Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 µsec, with a minimum increment of 1 µsec, excluding PRI values selected in Test A	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table 6: Long Pulse Radar Test Signal

Radar Type	Bursts	Chirp Width (MHz)	PRI (usec)	Number of Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

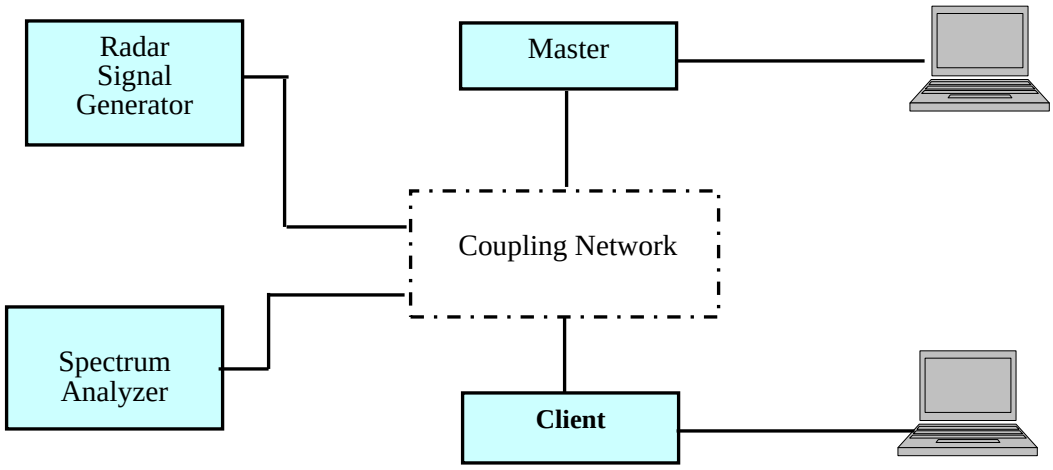
Table 7: Frequency Hopping Radar Test Signal

Radar Type	Pulse Width (usec)	PRI (usec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

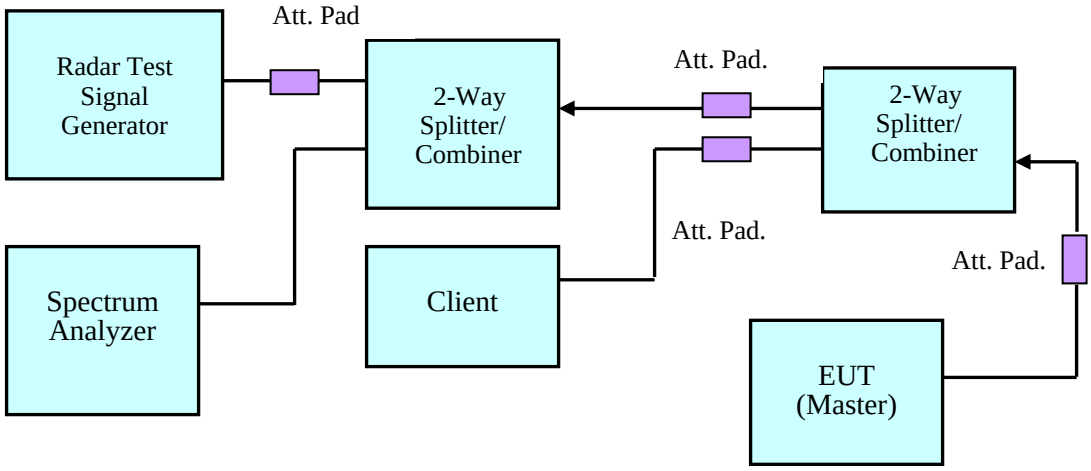
4.2 DFS Measurement System

BACL DFS measurement system consists of two subsystems: (1) The radar signal generating subsystem and (2) the traffic monitoring subsystem.

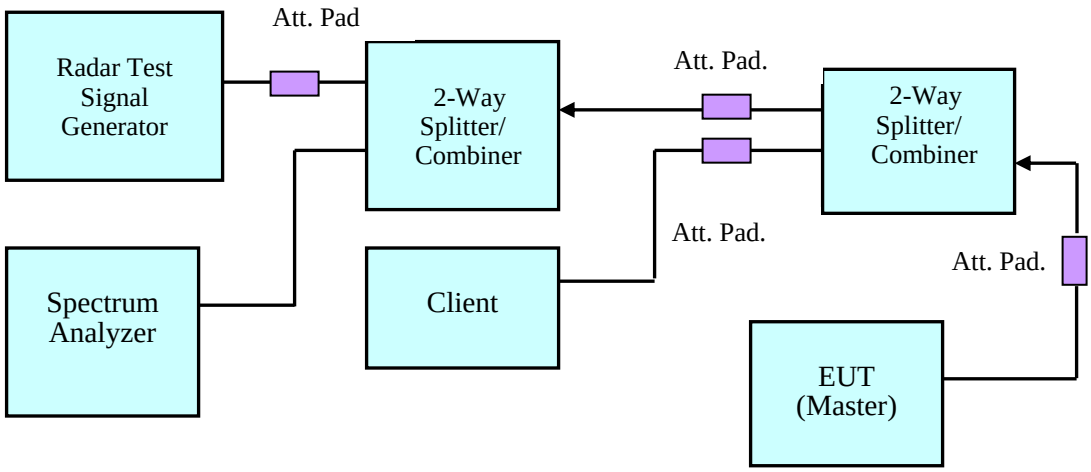
4.3 System Block Diagram



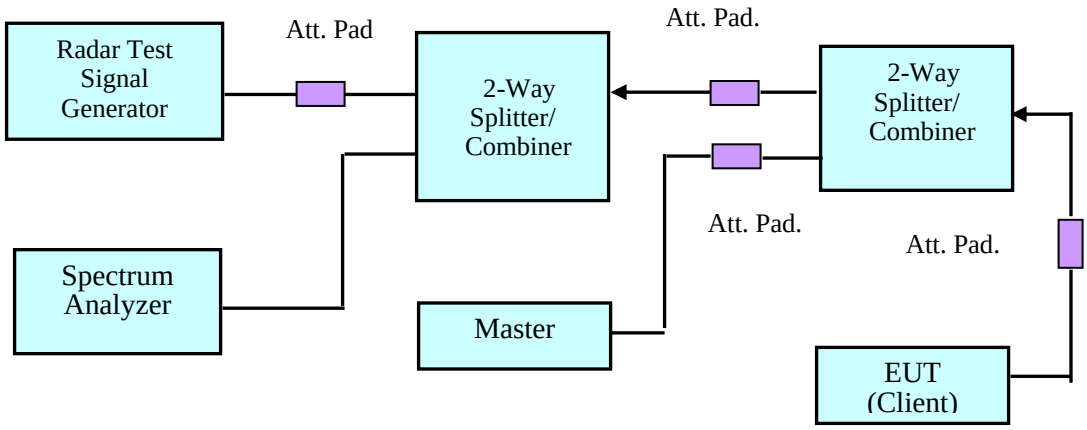
4.4 Conducted Method



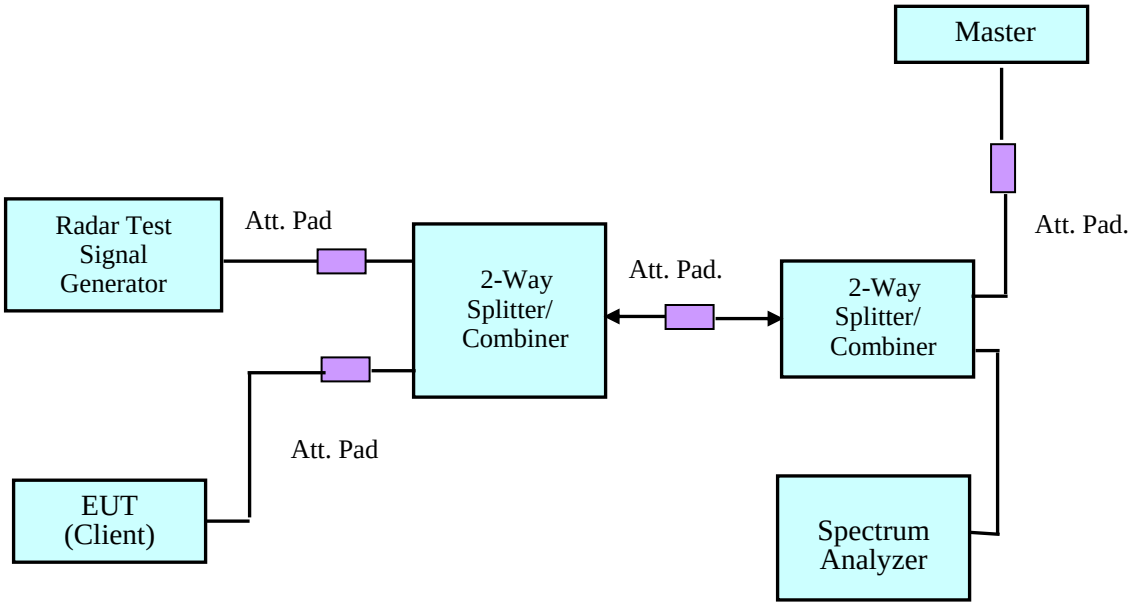
Setup for Conducted Method for Master Mode



Setup for Conducted Method for Master Mode (P2P and P2MP)



Setup for Conducted Method for Client Mode (P2MP), client device is the RDD



Setup for Conducted Method for Client Mode (P2MP), master device is the RDD

4.5 Test Procedure

A spectrum analyzer is used as a monitor that verifies the EUT's status, which includes the Channel Closing Transmission Time and the Channel Move Time. The Spectrum analyzer is used to monitor the equipment under test (EUT) does not transmit on the same channel during the Non-Occupied Period after the radar detection. It is also used to monitor EUT transmissions during the Channel Availability Check Time.

5 Test Results

5.1 Description of EUT

The EUT operates in 5250-5350 MHz and 5470-5725 MHz range in AP Mode for both radios (Cobalt and Pine).

The EUT was configured to channel 100 for testing in 20 MHz bandwidth mode, configured to channel 102 for testing in 40 MHz bandwidth mode, configured to channel 106 for testing in 80 MHz bandwidth mode, and configured to channel 114 for testing in 160 MHz bandwidth mode.

Please refer to the following table for Detection Threshold.

Radio Type	Operation Mode	Lowest Antenna Gain (dBi)	EIRP (dBm)	Detection Threshold Assuming 0 dBi Antenna Gain (dBm)	Detection Threshold at the Antenna Port (dBm)
Cobalt	AP	15	>23	-64	-49
Pine	AP	7	>23	-64	-57

Radio Type	Operation Mode	Antenna Gain (dBi)	EIRP (dBm)	Detection Threshold Assuming 0 dBi Antenna Gain (dBm)	Detection Threshold at the Antenna Port (dBm)
Cobalt	P2P	15	>23	-64	-49
	P2MP & Client	15	>23	-64	-49
Pine	P2P	9.03	>23	-64	-54.97
	P2MP & Client	7	>23	-64	-57

Note: In AP mode, customer confirmed this device will not be able to operate on DFS Frequencies with an antenna gain less than the lowest antenna gain for each radio.

Please refer to the detailed antenna information in the next section.

WLAN traffic is generated by running iperf3.

5.2 Antenna Description

Antenna Type	Supplier	Antenna Part No.	Frequency (MHz)	Peak Antenna Gain (dBi)
Omnidirectional	Cisco	AIR-ANT2547V-N=	5.1GHz to 5.8GHz	7
Integral	Cisco	N/A	5.1GHz to 5.8GHz	15

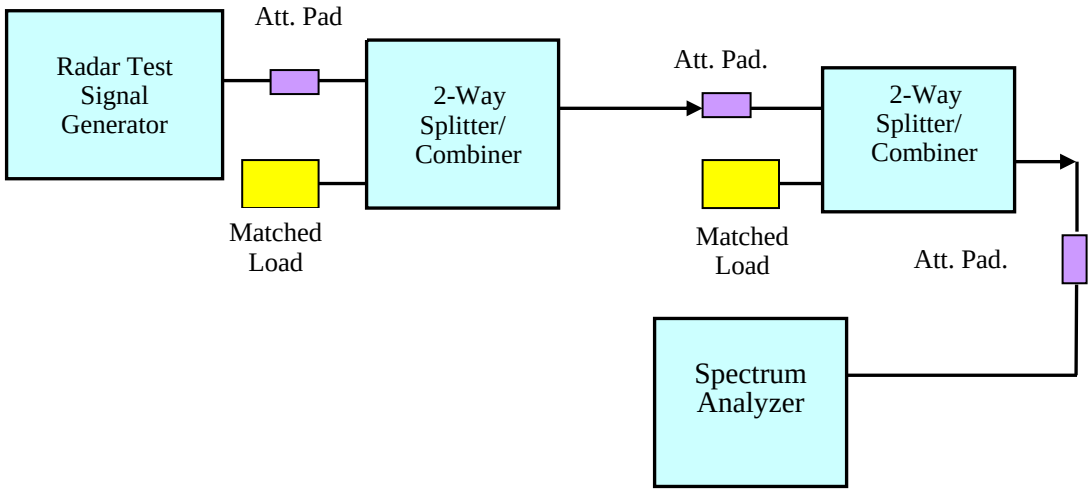
Antenna Type	Supplier	Antenna Part No.	Frequency (MHz)	Peak Antenna Gain (dBi)
Patch	Cisco	IW-ANT-PNL-59-N=	5.1GHz to 5.8GHz	9.03
Horn	Cisco	IW-ANT-H90-510-N=	5.1GHz to 5.8GHz	9.03
Omnidirectional	Cisco	AIR-ANT2547V-N=	5.1GHz to 5.8GHz	7
Integral	Cisco	N/A	5.1GHz to 5.8GHz	15

5.3 Test Equipment List and Details

BACL No.	Manufacturer	Equipment Description	Model	S/N	Calibration Date	Calibration Interval
1128	Agilent	EXA Signal Analyzer	N9010A	MY48030852	2023-04-25	1 year
424	Agilent	Analyzer, Spectrum	E4440A	US45303156	2022-12-19	1 year
688	Keysight Technologies	Vector Signal Generator	N5182B	MY51350070	2022-07-28	14 months
547	National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	V08X01EE1	N/A	N/A
547	National Instruments	Arbitrary Waveform Generator	PXI-5421	N/A	N/A	N/A
547	National Instruments	RF Upconverter	PXI-5610	N/A	N/A	N/A
547	ASCOR	Upconverter	AS-7206	N/A	N/A	N/A
624	Agilent	Analyzer, Spectrum	E4446A	MY48250238	2022-08-01	1 year
-	Mini-Circuits	Power Splitter	ZN4PD1-63-S+	S F263501223	N/A	N/A
-	Mini-Circuits	Power Splitter	ZN2PD-9G-S+	S F038700723	N/A	N/A
-	Mini-Circuits	Power Splitter	ZFSC-2-10G	0 0349	N/A	N/A
-	-	Attenuator	-	-	Each Time	Each Time
-	-	RF Cable	-	-	Each Time	Each Time

Note[1]: cable and attenuator included in the test set-up will be checked each time before testing.
Statement of Traceability: BACL Corp. *attests that all of the calibrations on the equipment items listed above were traceable to NIST or to another internationally recognized National Metrology Institute (NMI), and were compliant with the latest version of A2LA policy P102 "A2LA Policy on Metrological Traceability".*

5.4 Radar Waveform Calibration



Conducted Calibration Setup Block Diagram

5.5 Test Environmental Conditions

Temperature:	20-22° C
Relative Humidity:	36-43 %
ATM Pressure:	101.0-101.9 kPa

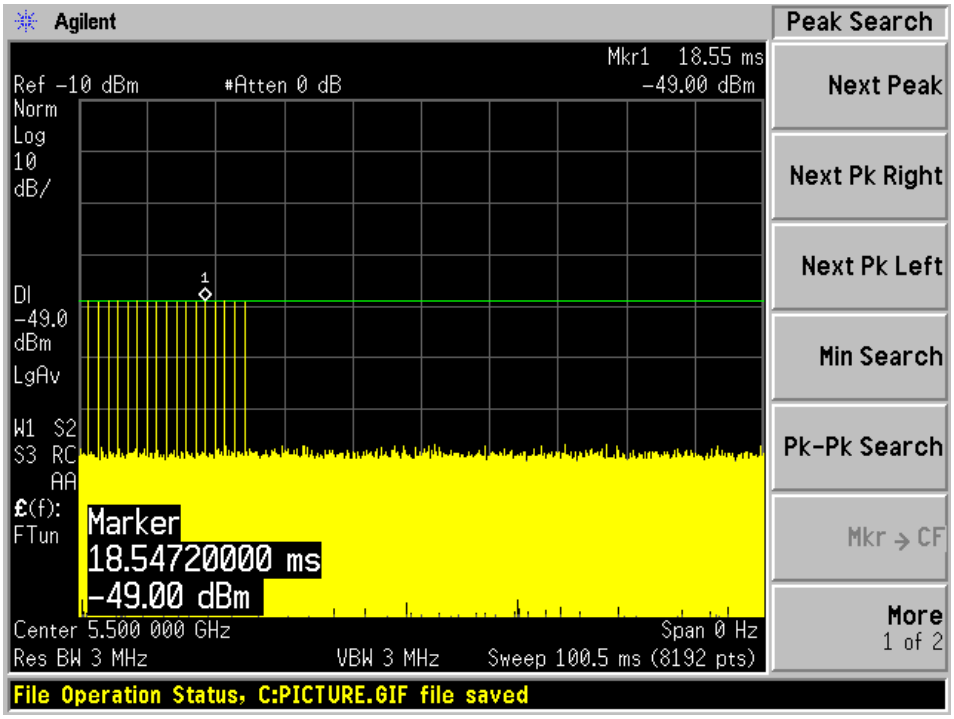
Testing was performed by Deepak Mishra & Tao Jin from 2023-09-18 to 2023-09-22 at the DFS testing site.

Plots of Radar Waveform

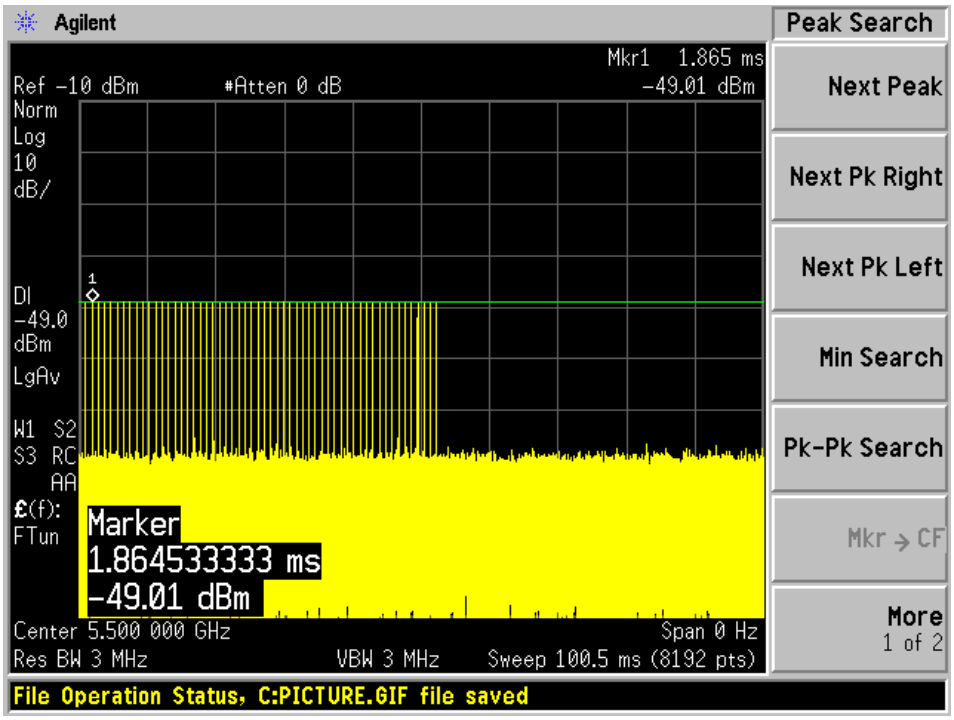
AP mode for Cobalt (Threshold Level: -49 dBm)

5500 MHz, 20 MHz Channel Bandwidth

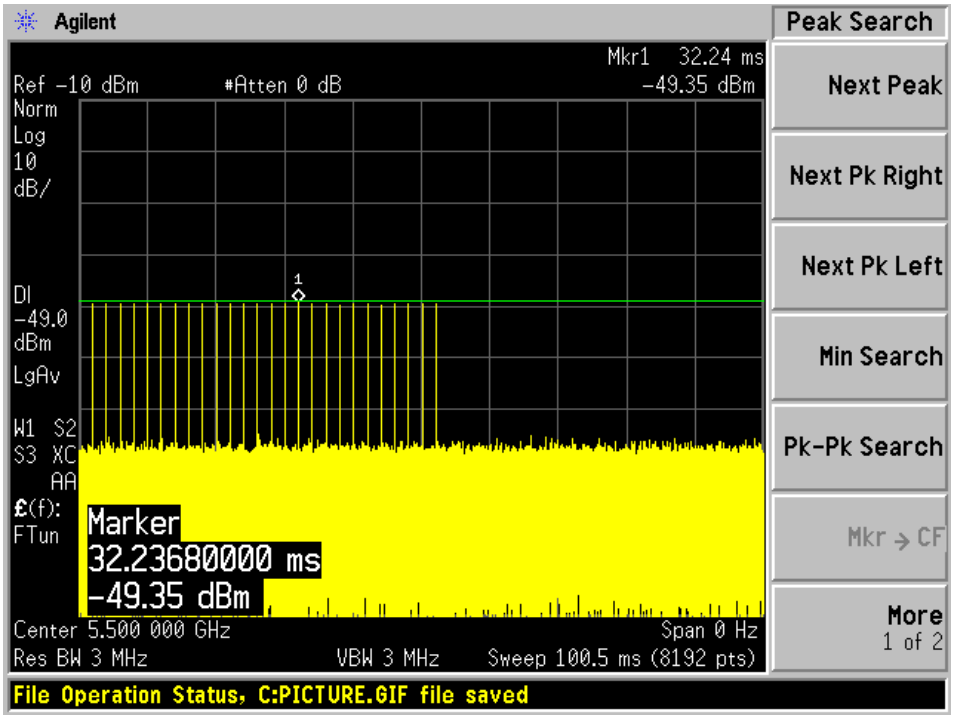
Radar Type 0



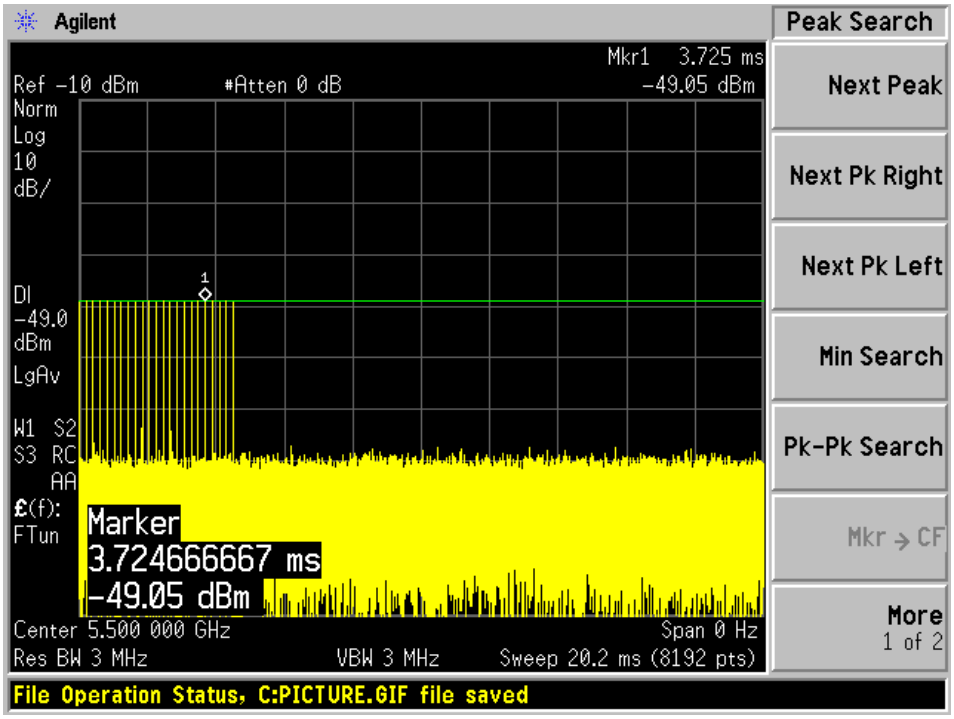
Radar Type 1A



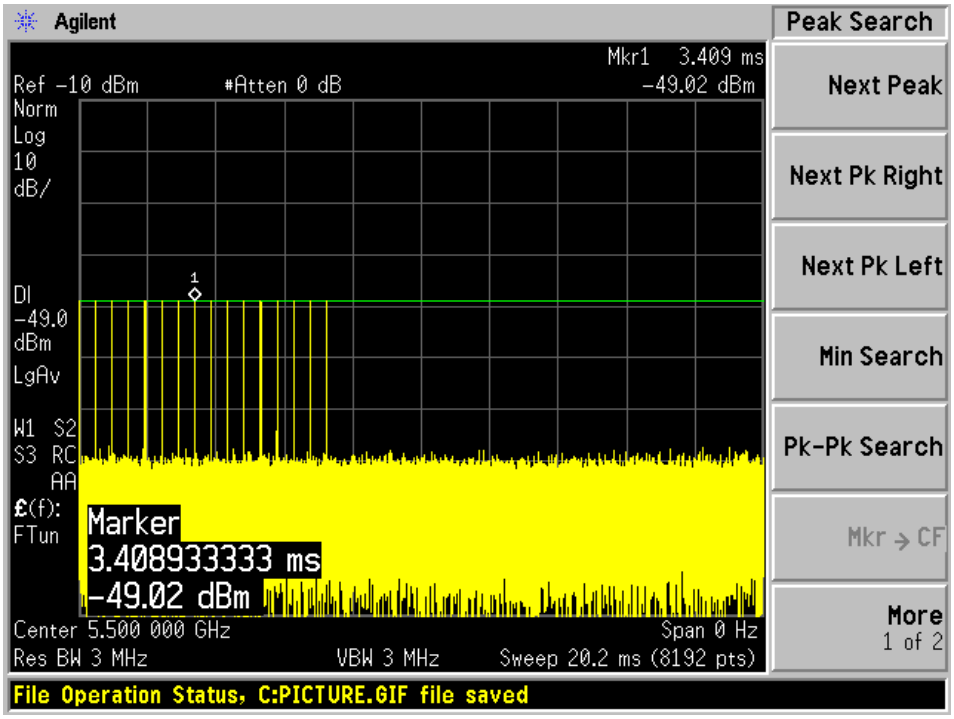
Radar Type 1B



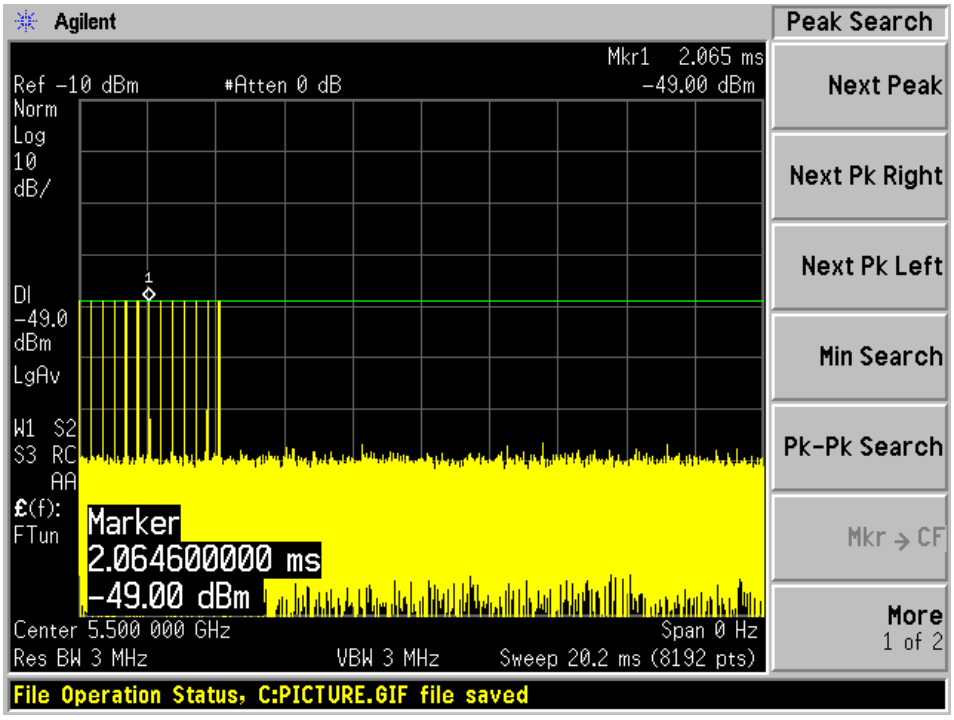
Radar Type 2



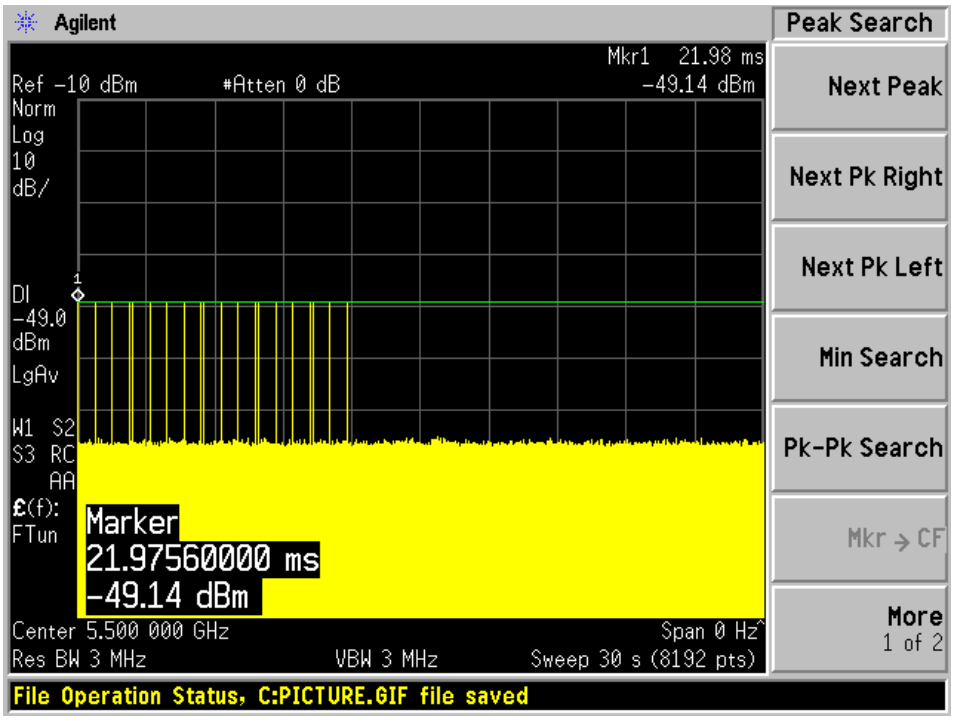
Radar Type 3



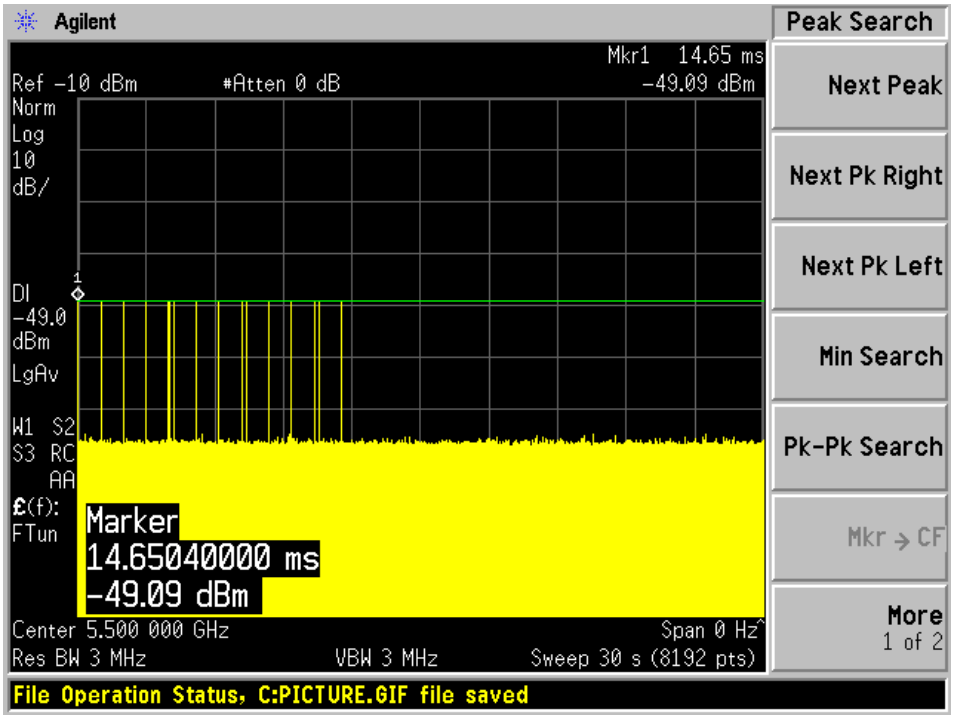
Radar Type 4



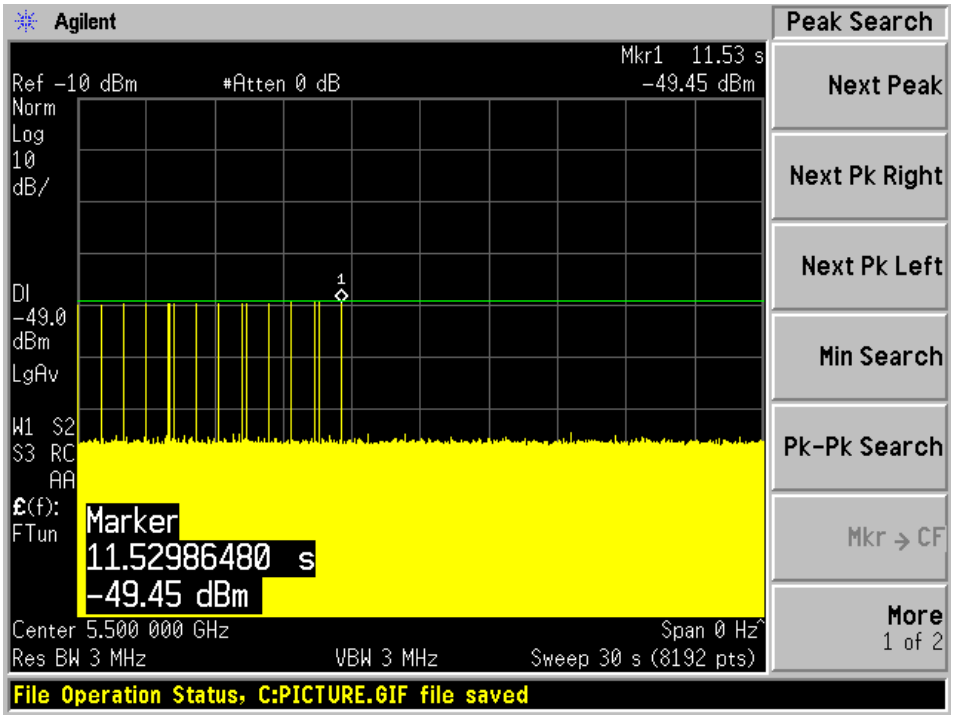
Radar Type 5 Case 1



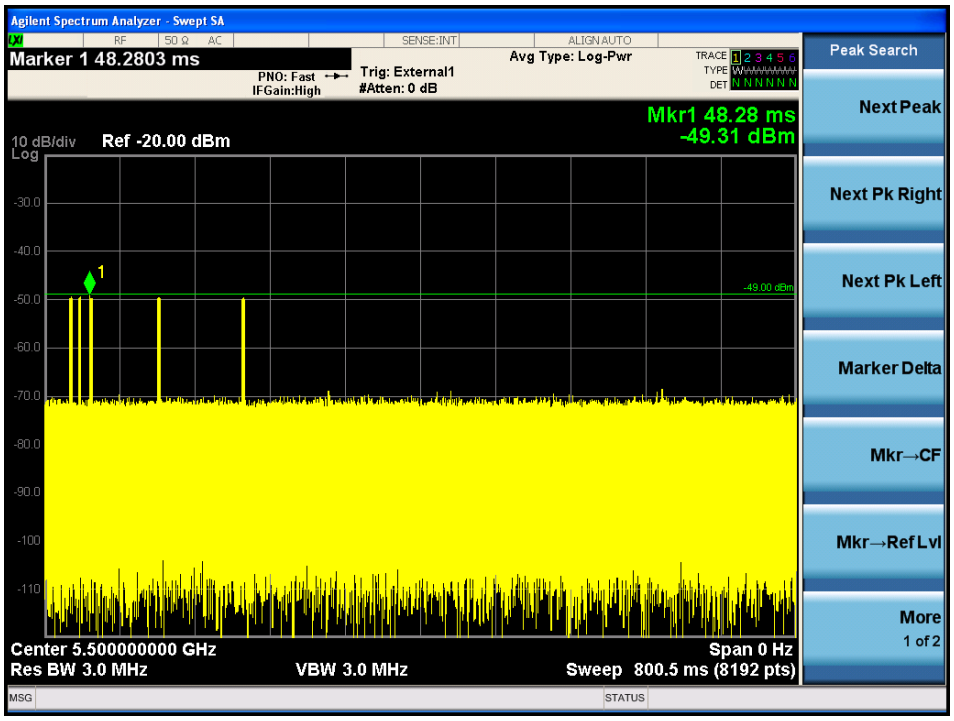
Radar Type 5 Case 2



Radar Type 5 Case 3



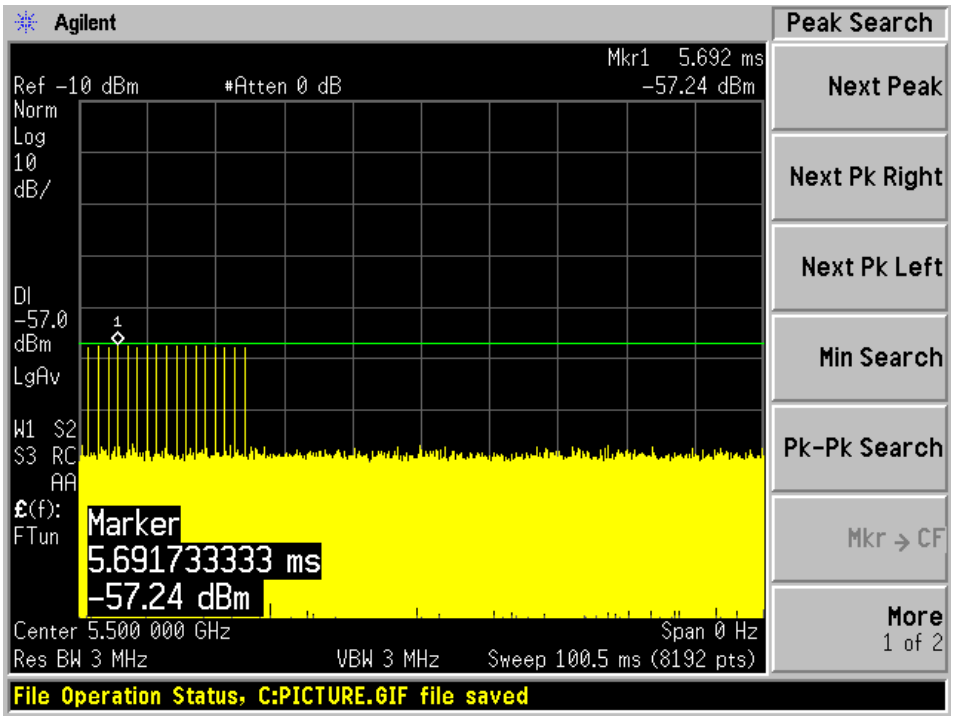
Radar Type 6



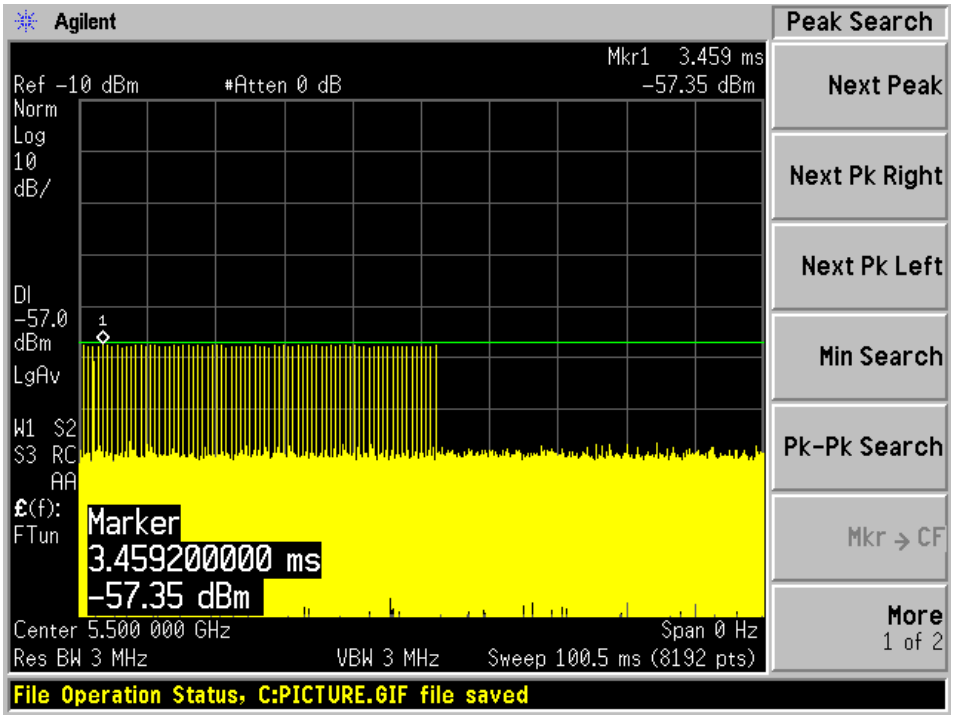
AP Mode for Pine (Threshold Level: -57 dBm)

5500 MHz, 20MHz Channel Bandwidth

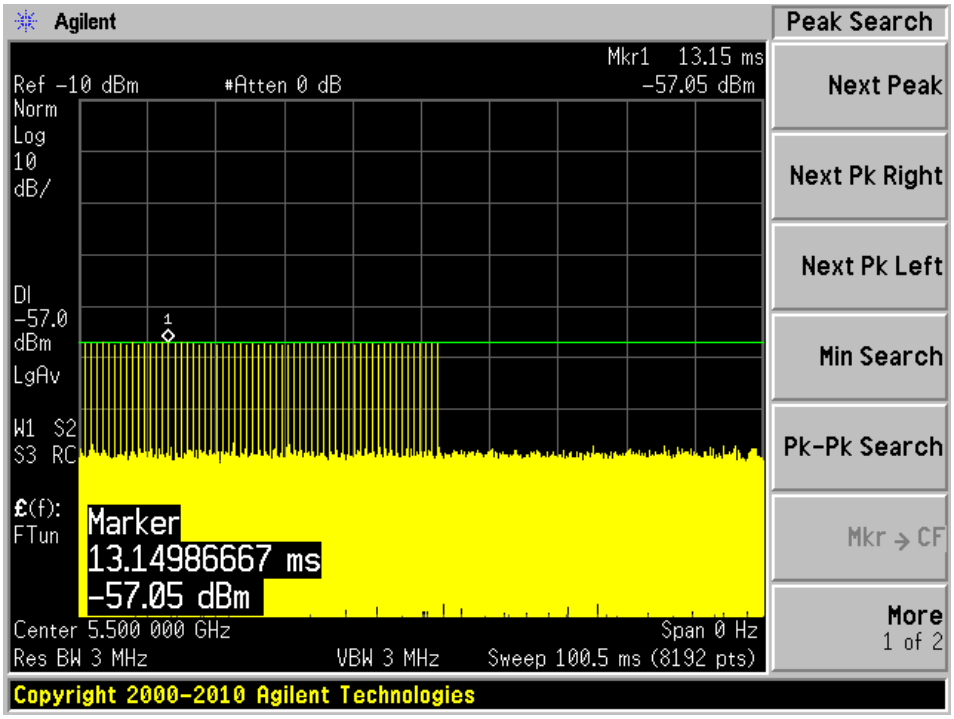
Radar Type 0



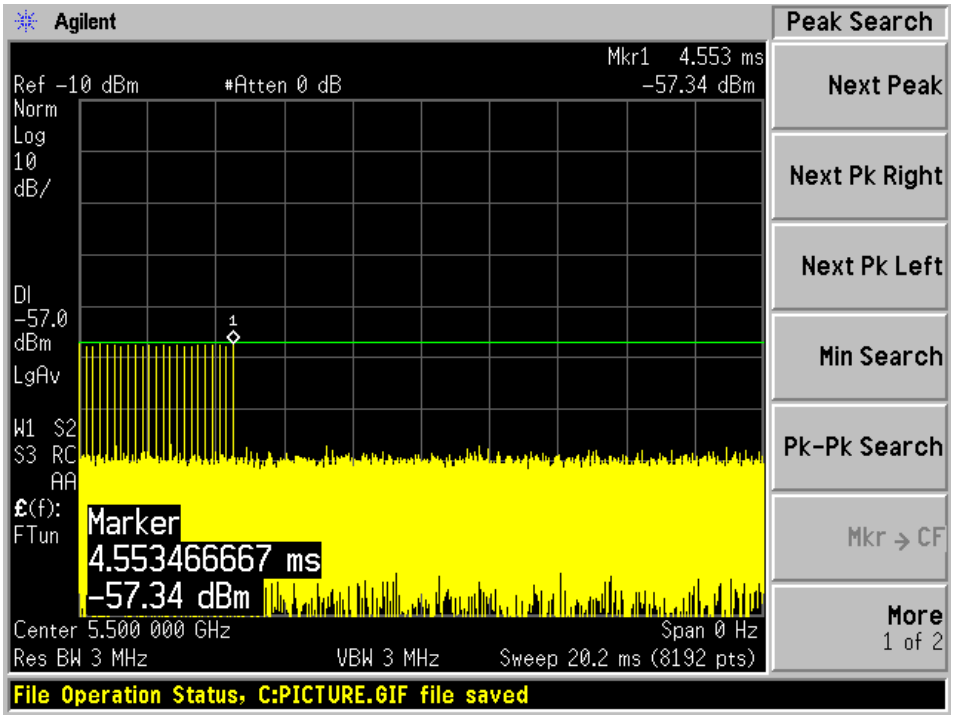
Radar Type 1A



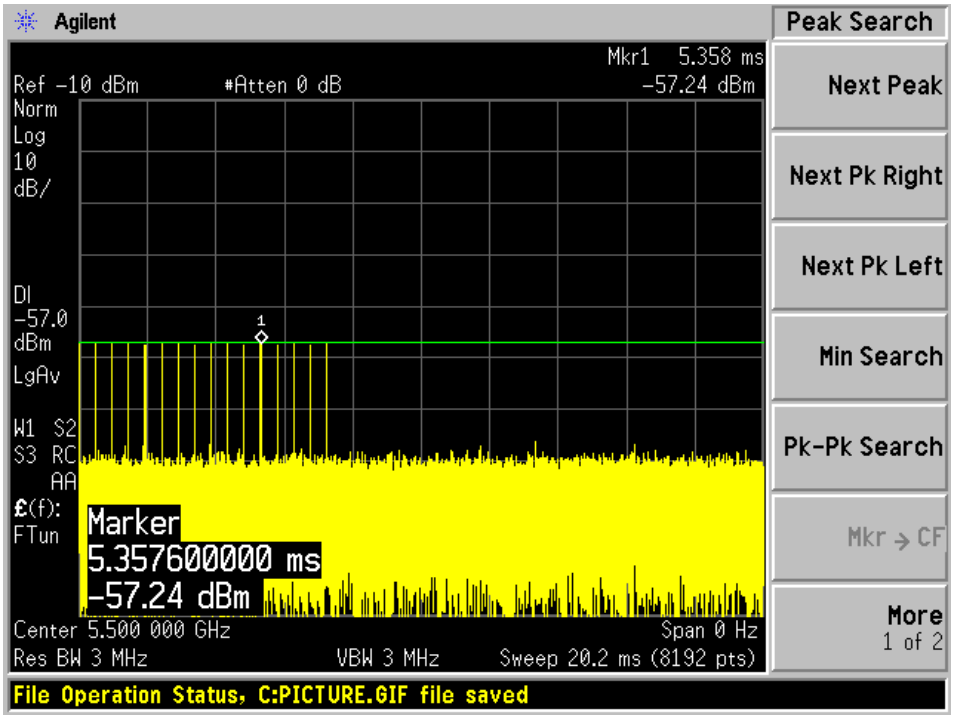
Radar Type 1B



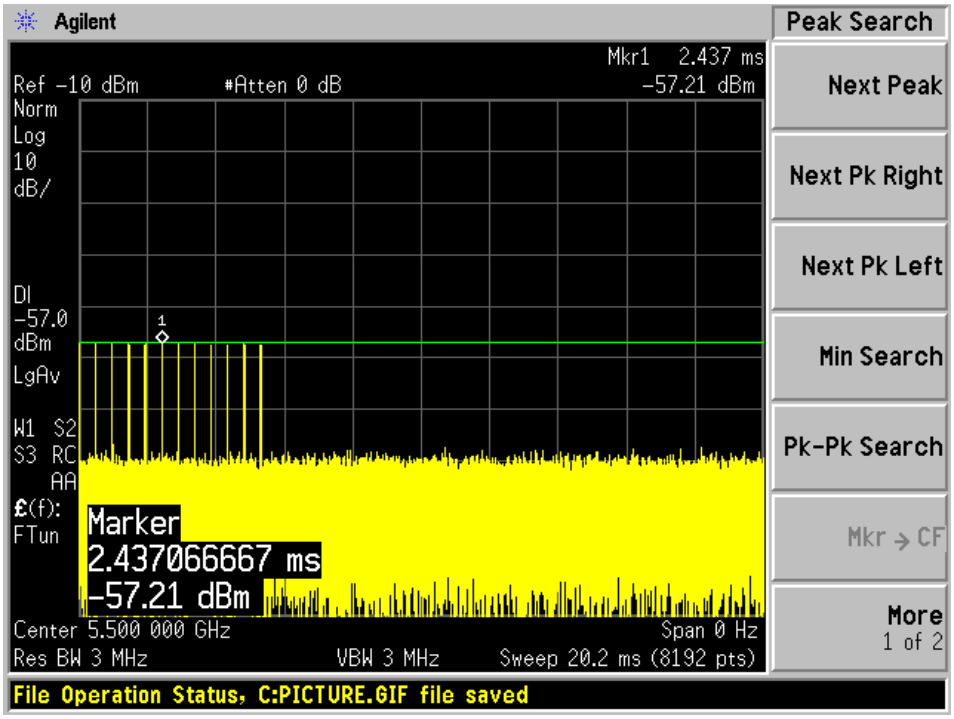
Radar Type 2



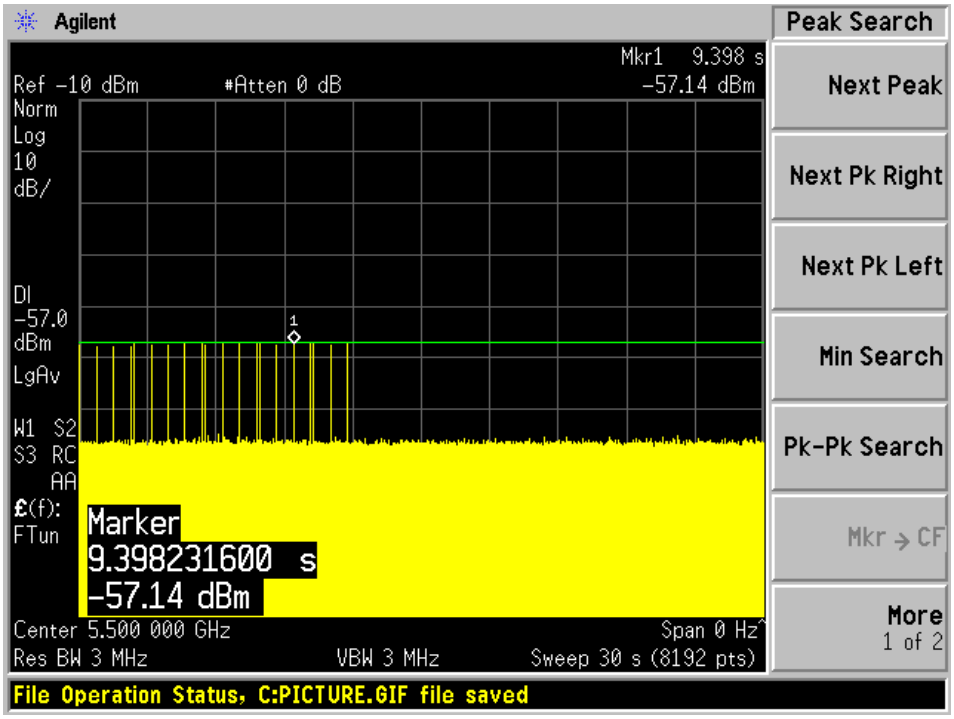
Radar Type 3



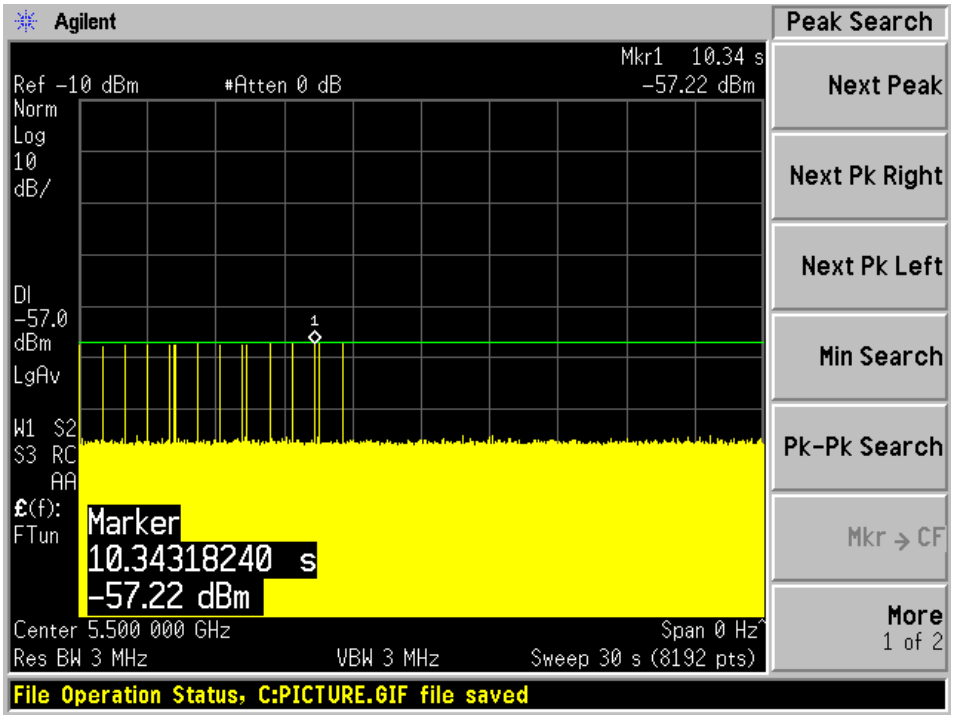
Radar Type 4



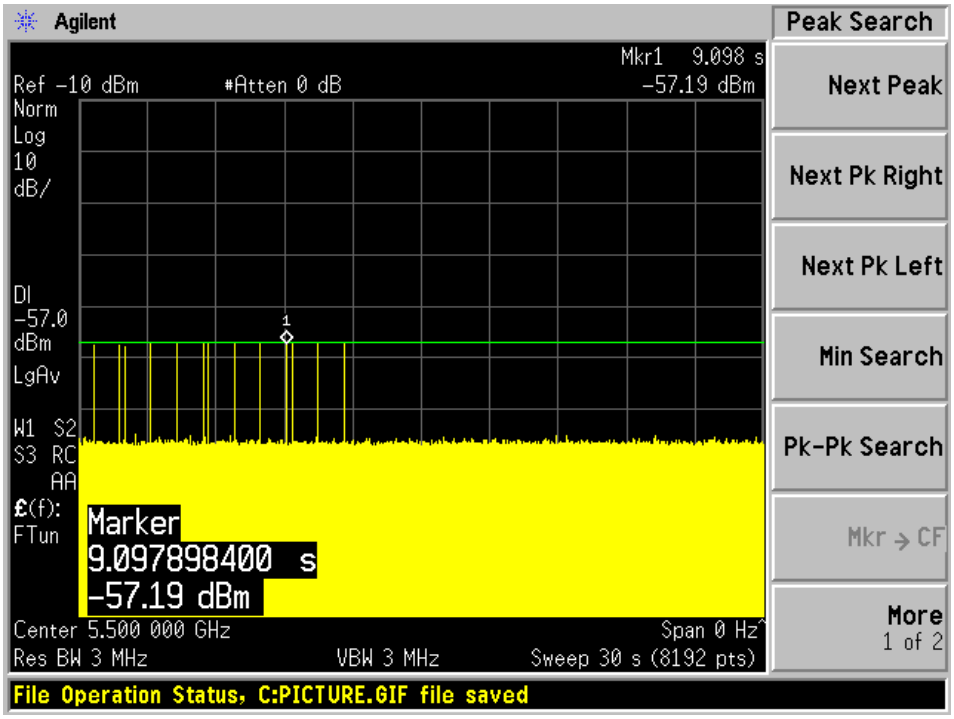
Radar Type 5 Case 1



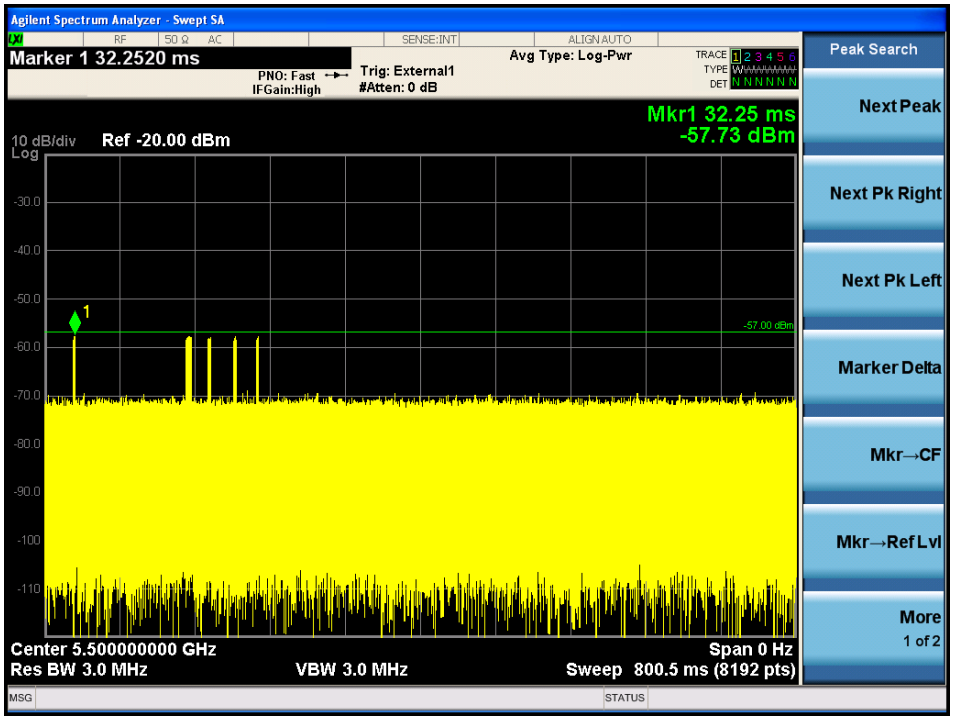
Radar Type 5 Case 2



Radar Type 5 Case 3



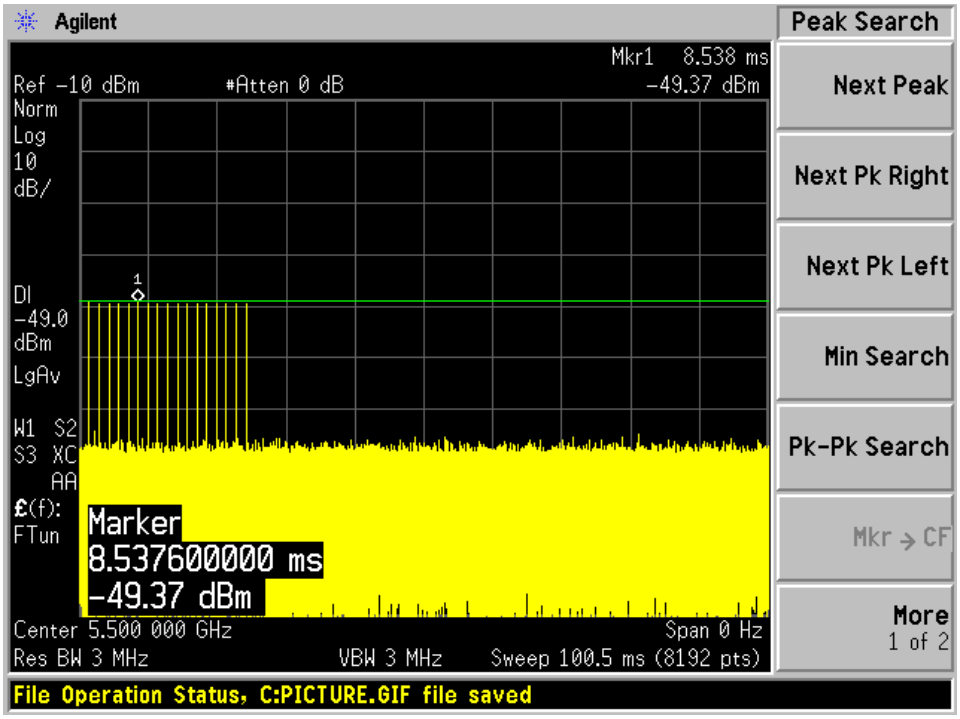
Radar Type 6



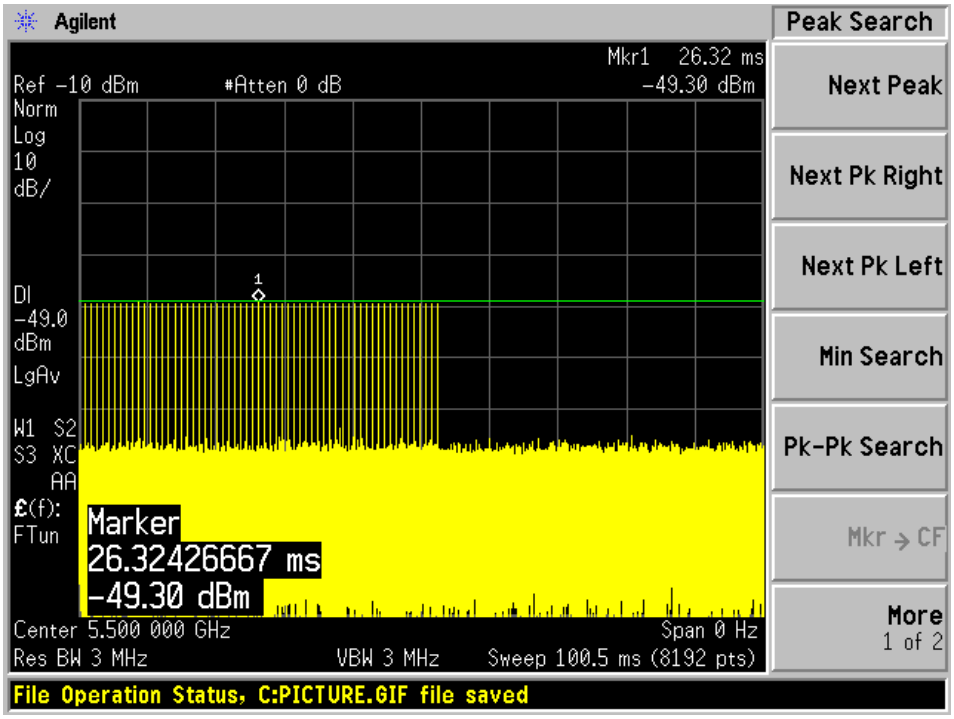
P2P, P2MP, and Client modes for Cobalt

5500 MHz, 20 MHz Channel Bandwidth

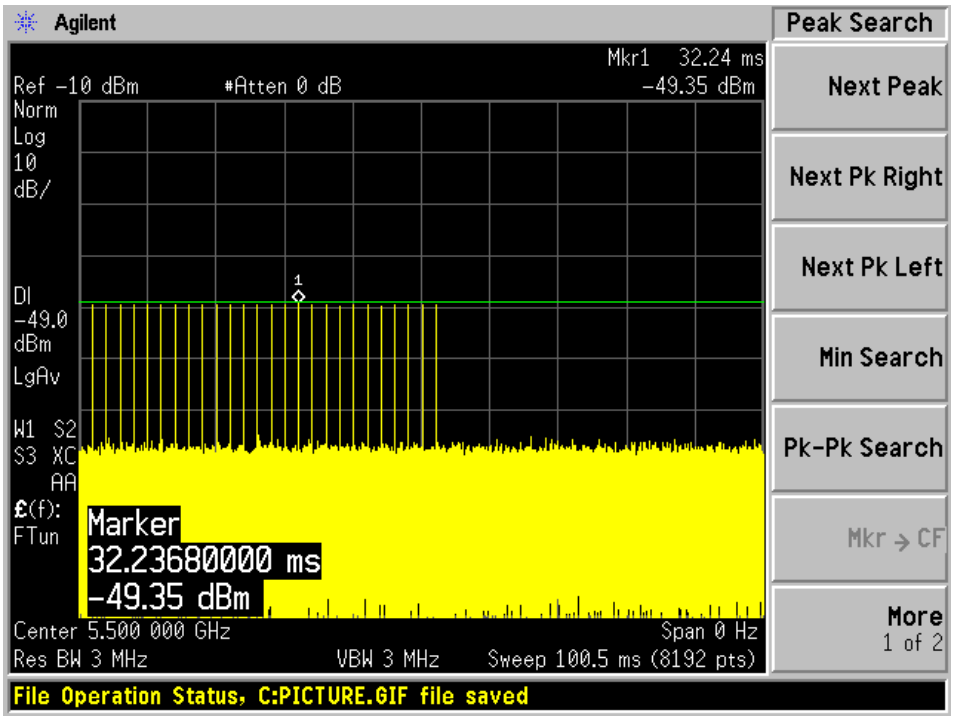
Radar Type 0



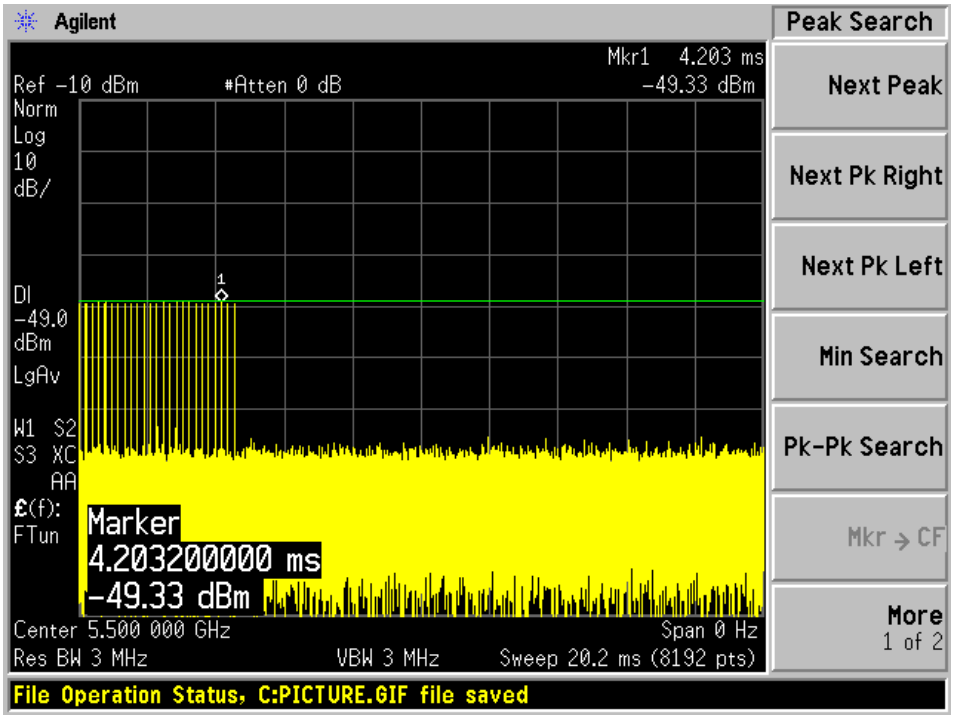
Radar Type 1A



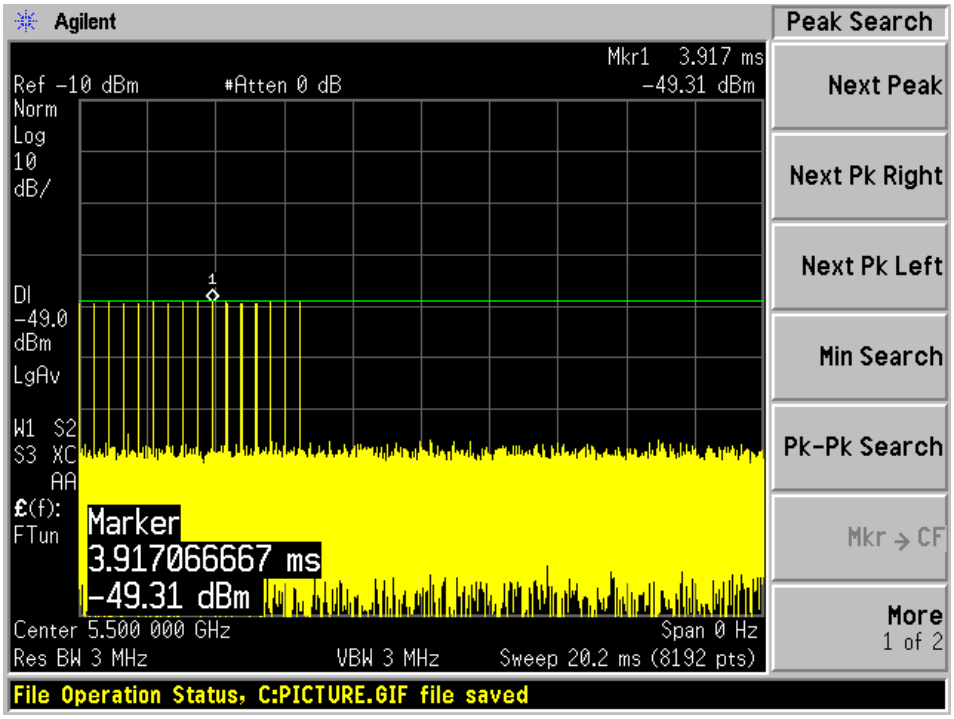
Radar Type 1B



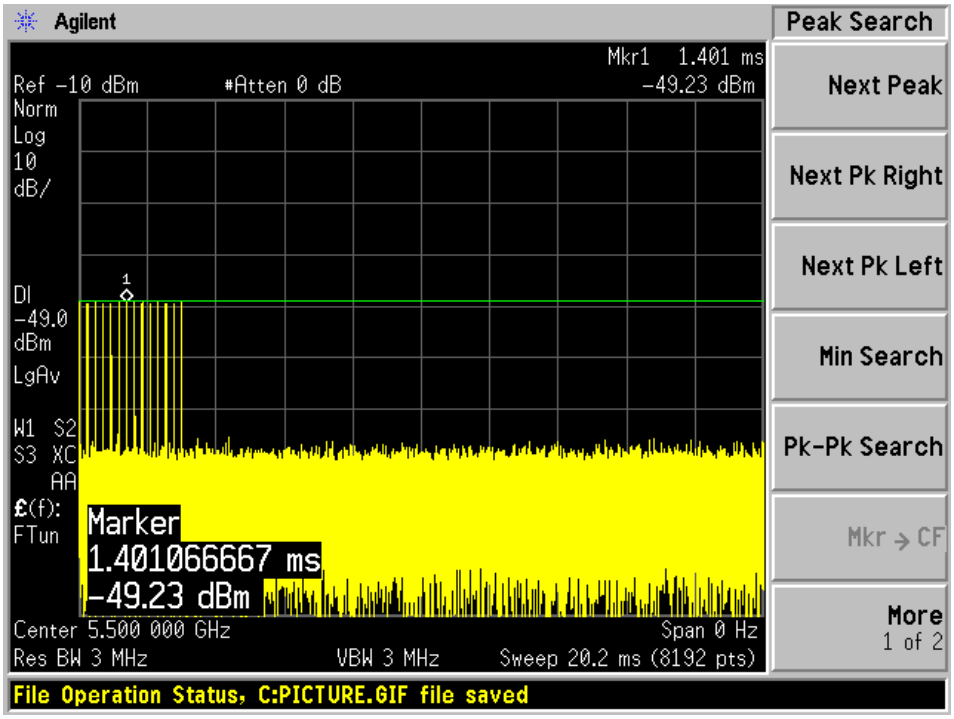
Radar Type 2



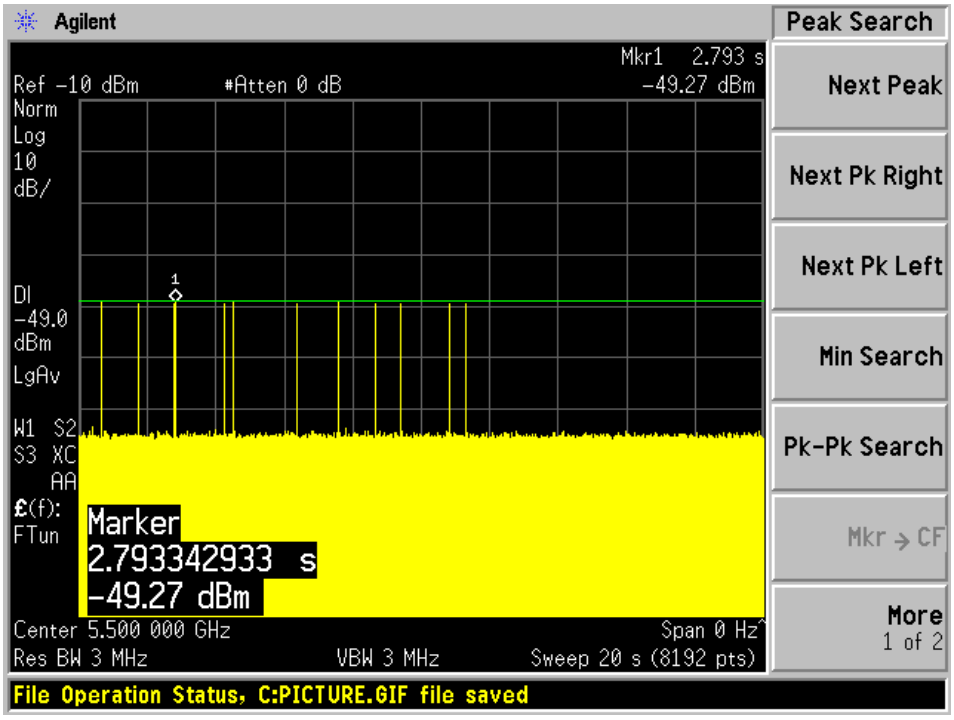
Radar Type 3



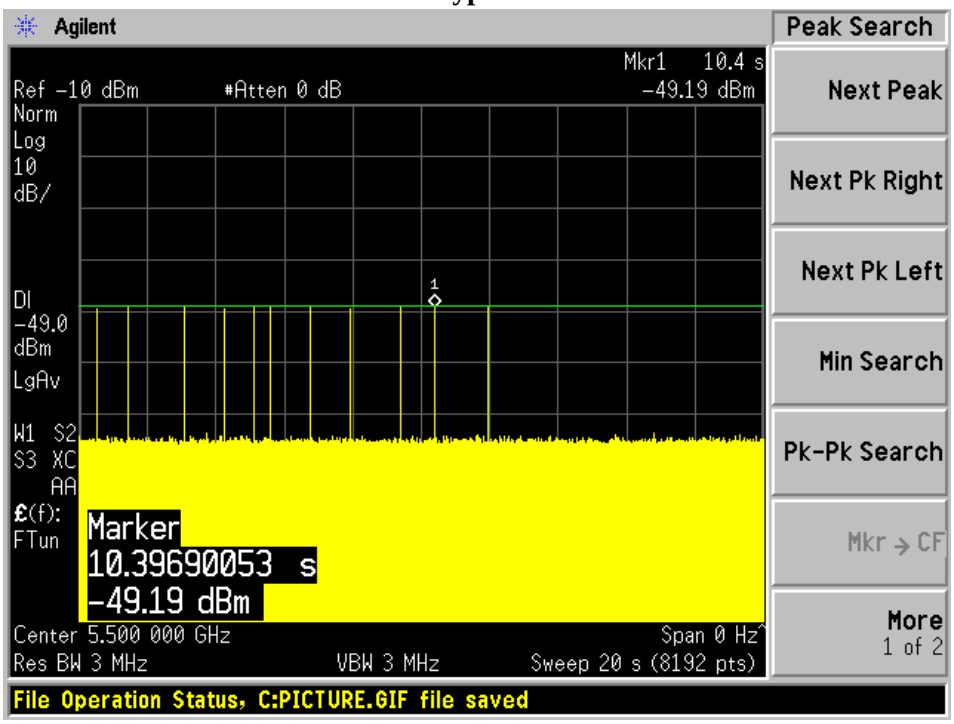
Radar Type 4



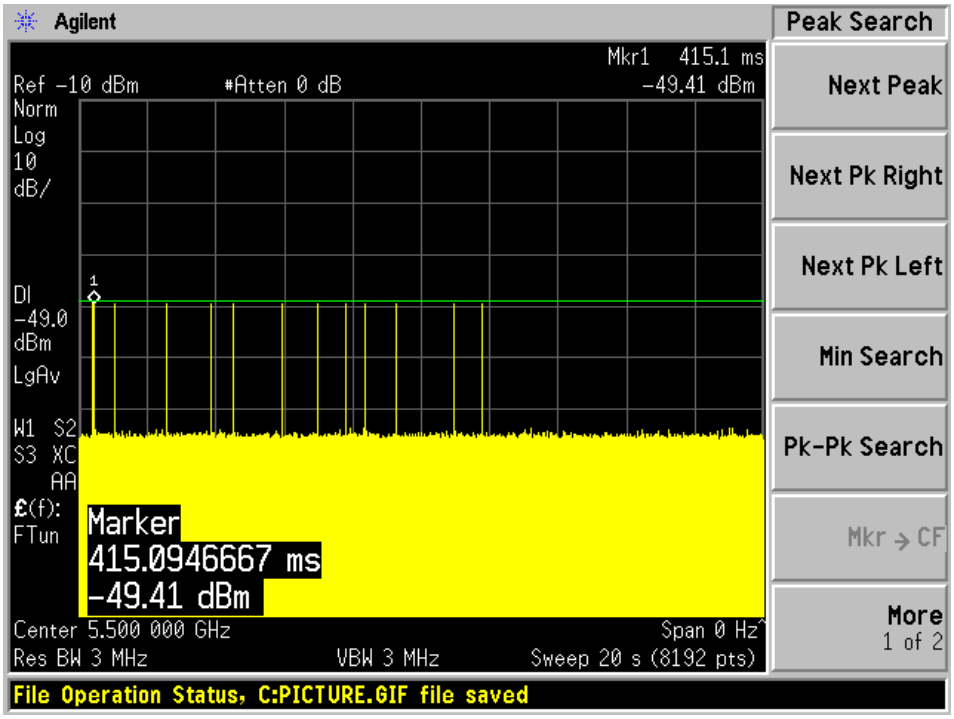
Radar Type 5 Case 1



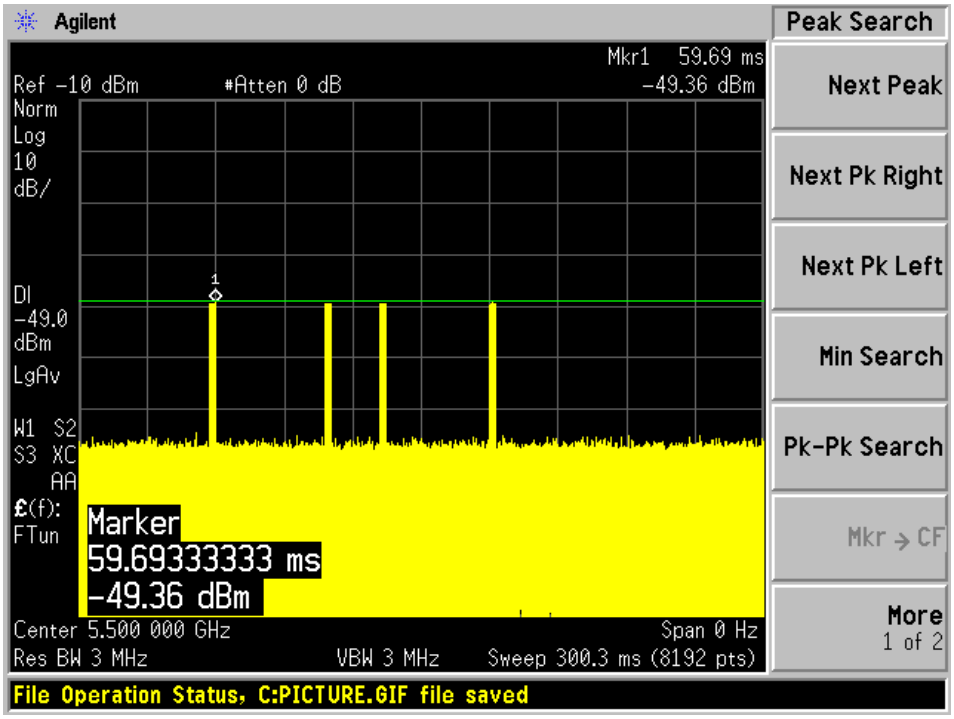
Radar Type 5 Case 2



Radar Type 5 Case 3



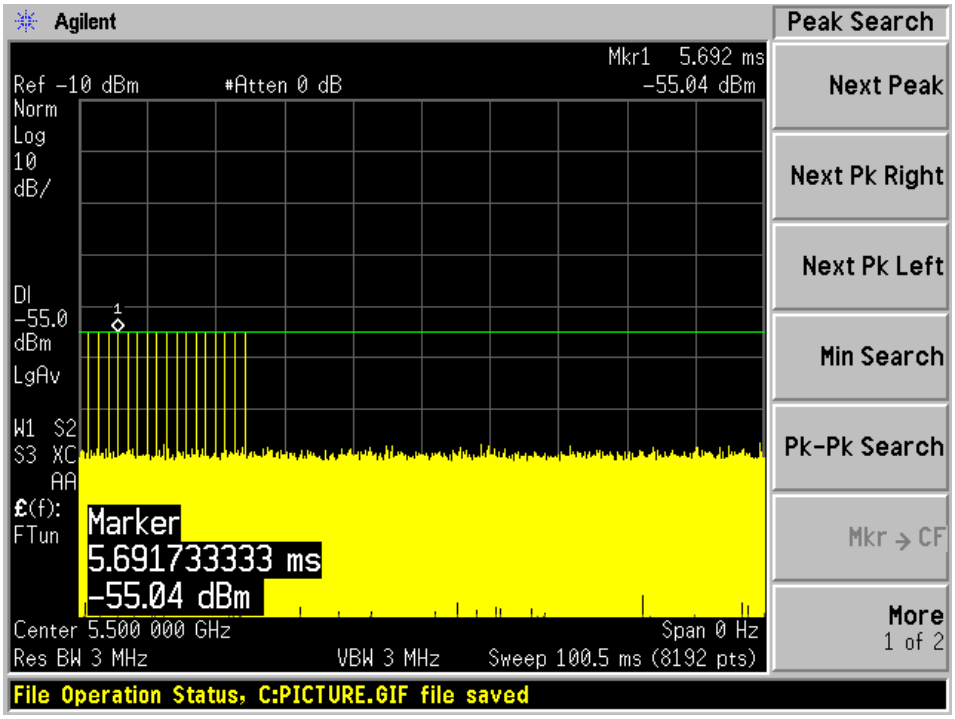
Radar Type 6



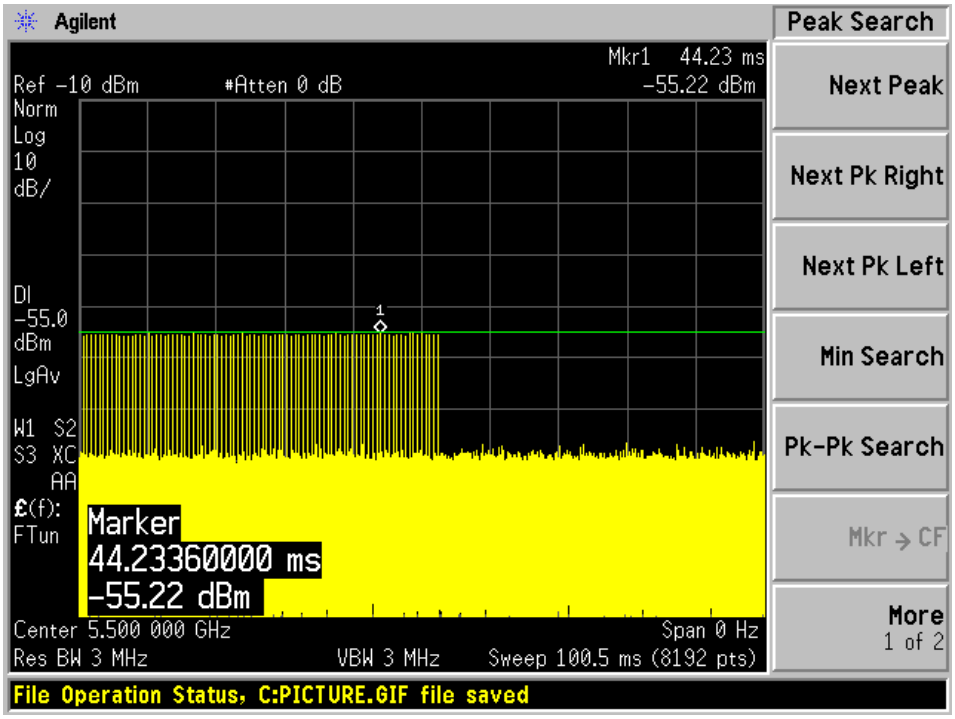
P2P Mode for Pine (Threshold Level: -54.97 dBm)

5500 MHz, 20MHz Channel Bandwidth

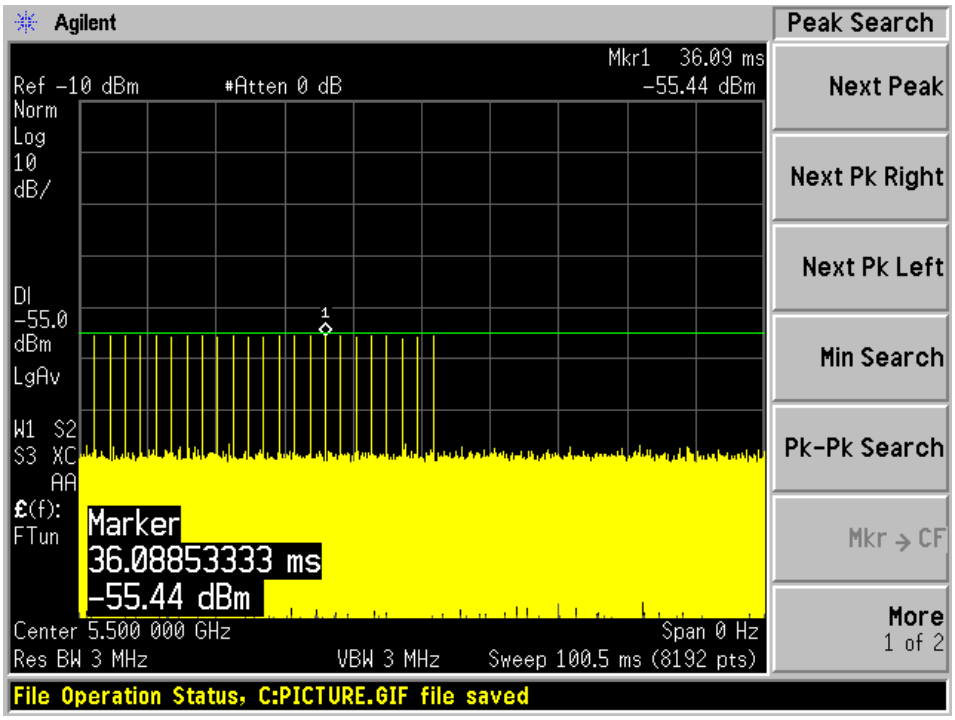
Radar Type 0



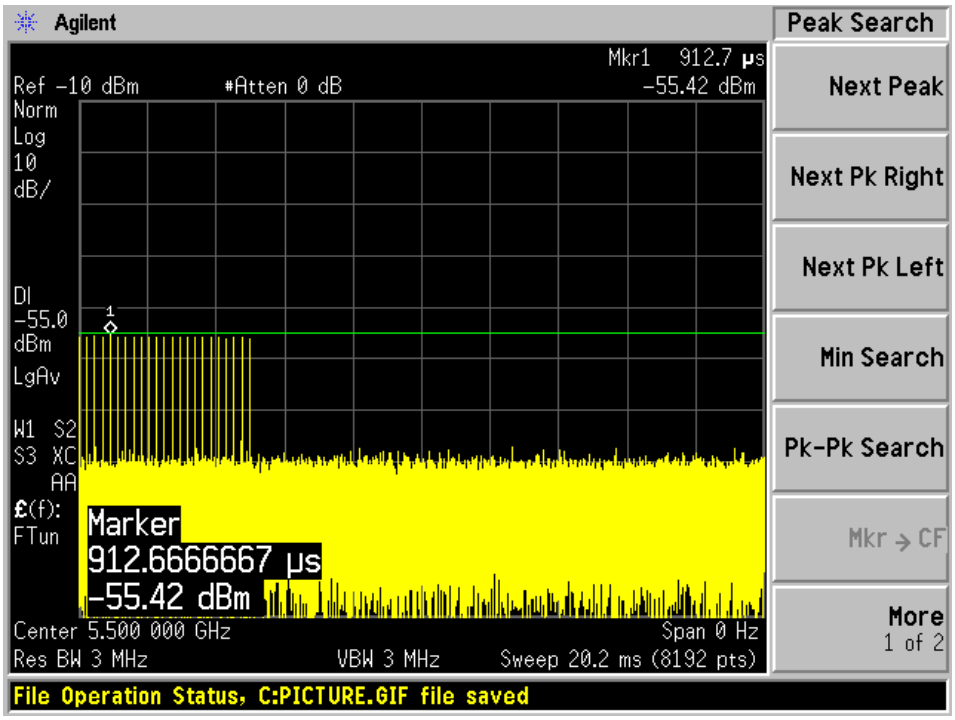
Radar Type 1A



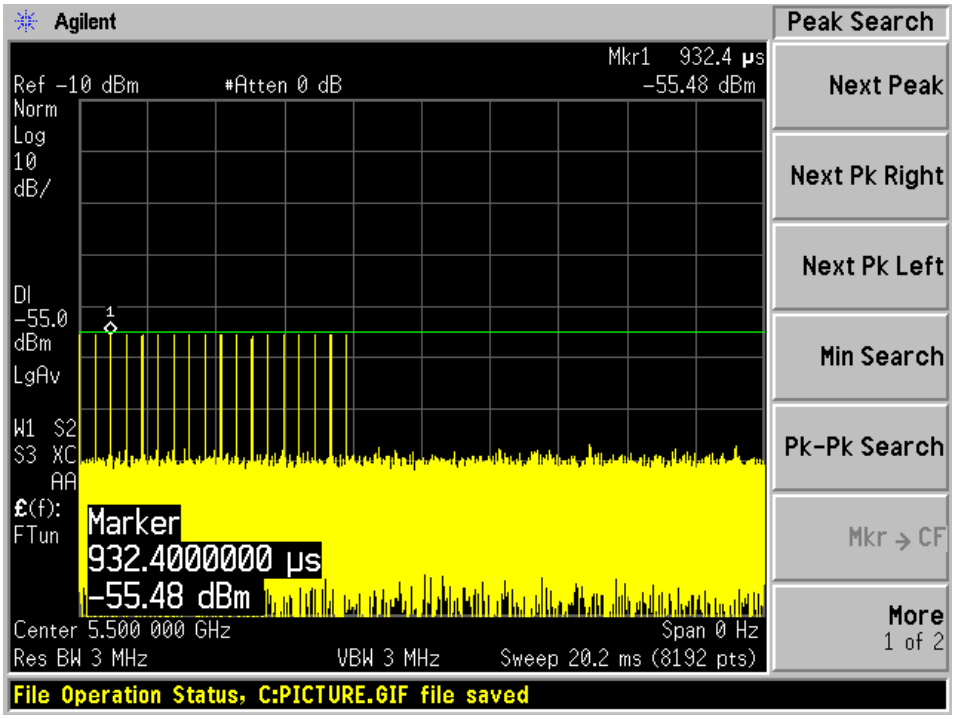
Radar Type 1B



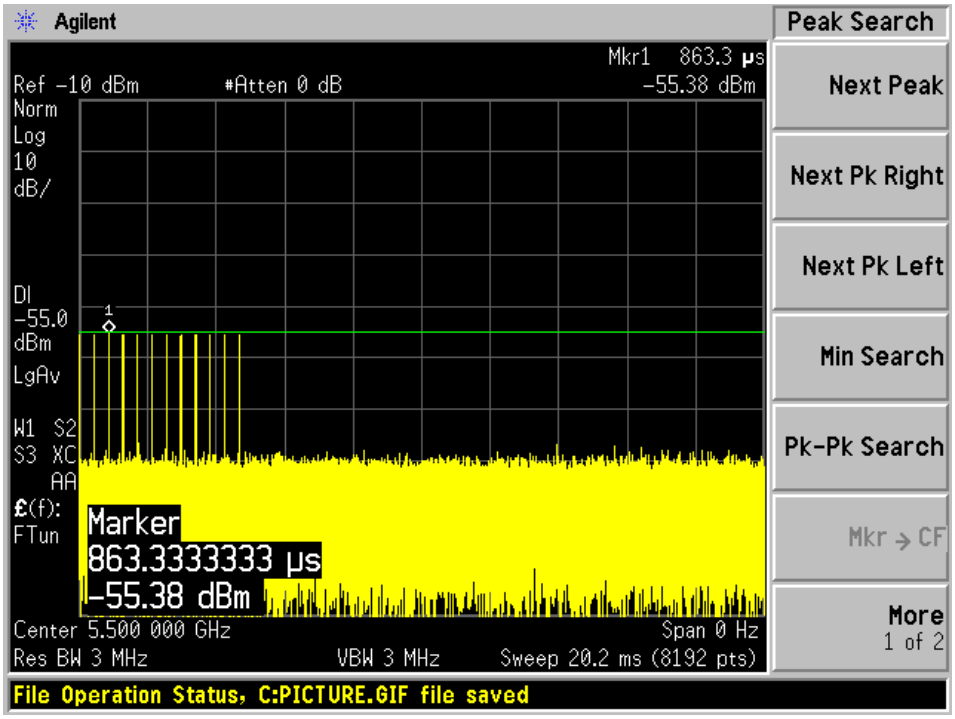
Radar Type 2



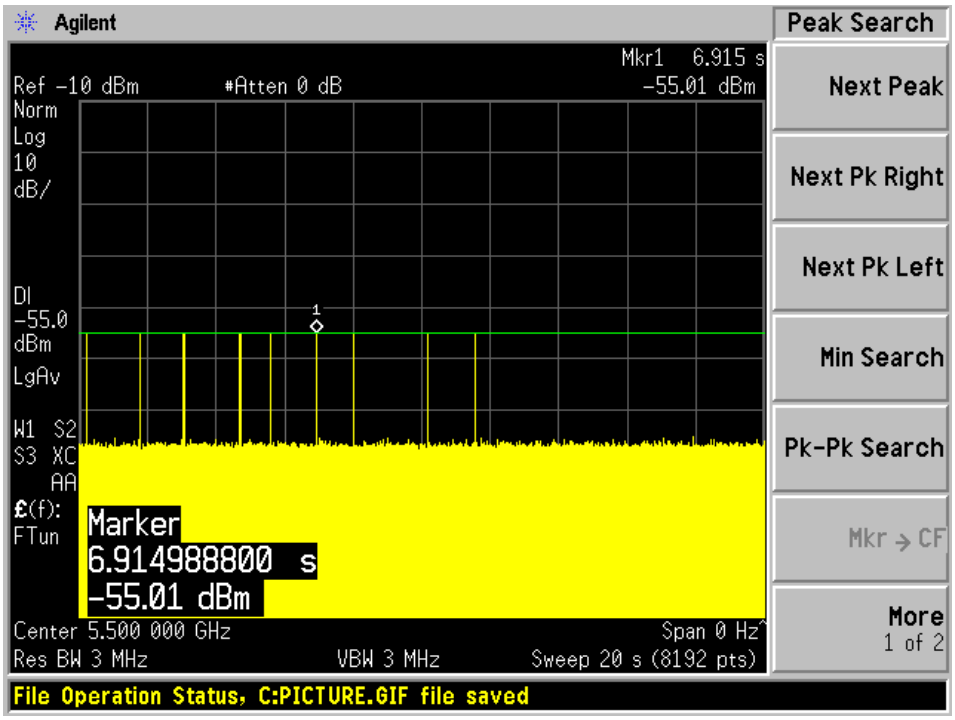
Radar Type 3



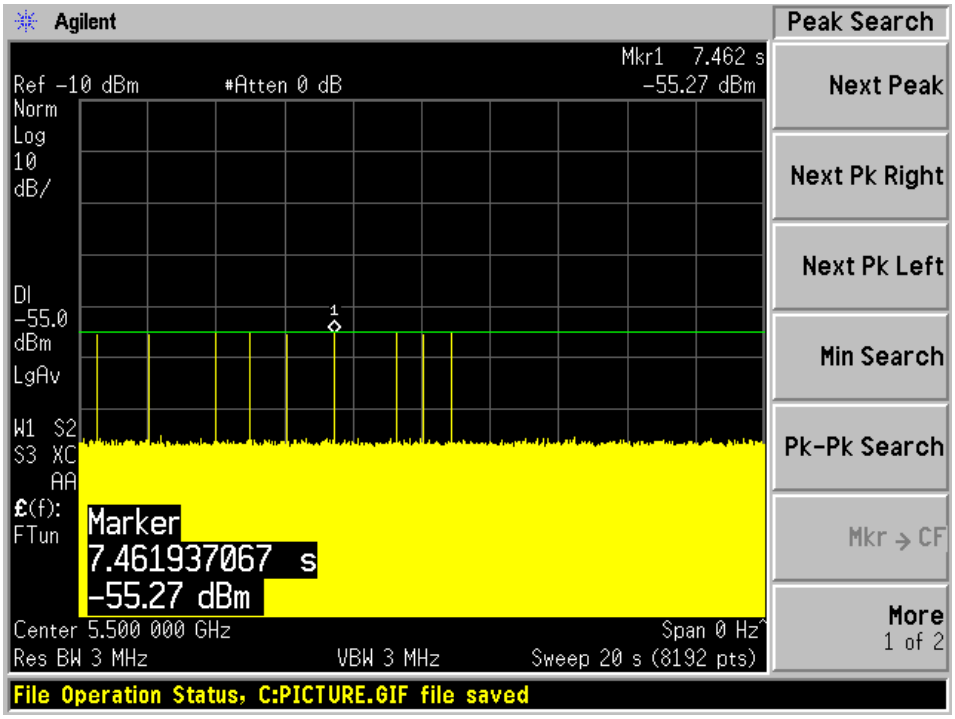
Radar Type 4



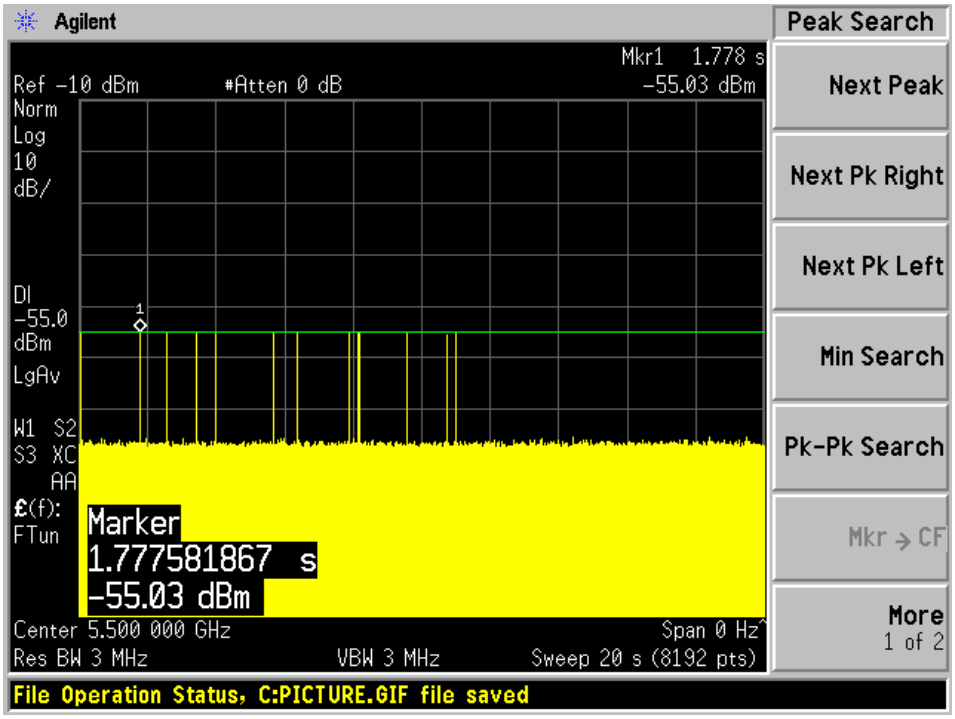
Radar Type 5 Case 1



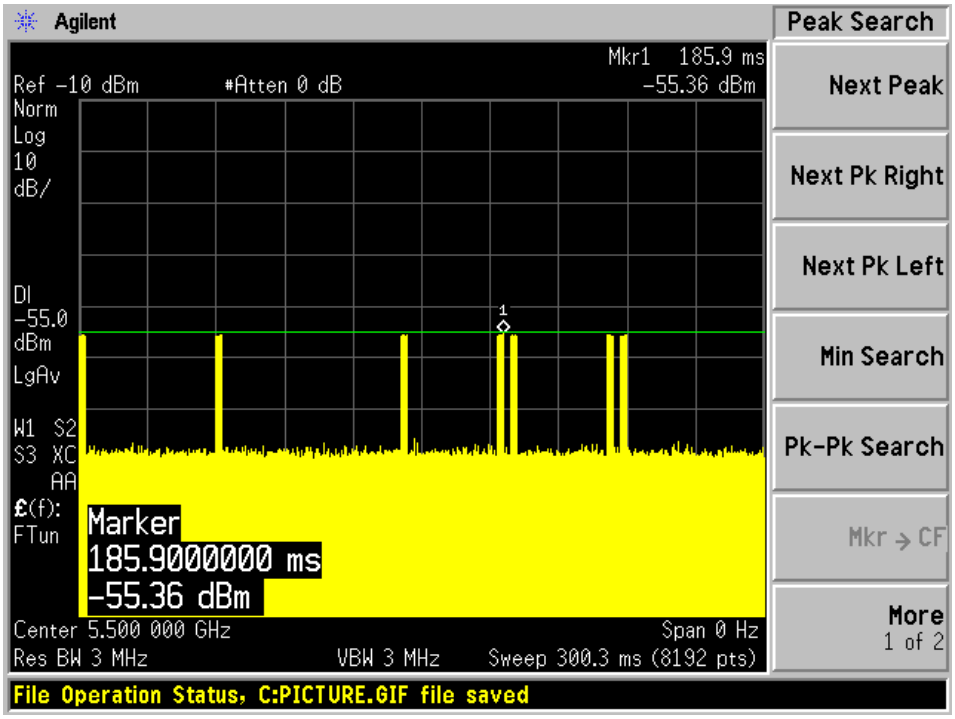
Radar Type 5 Case 2



Radar Type 5 Case 3



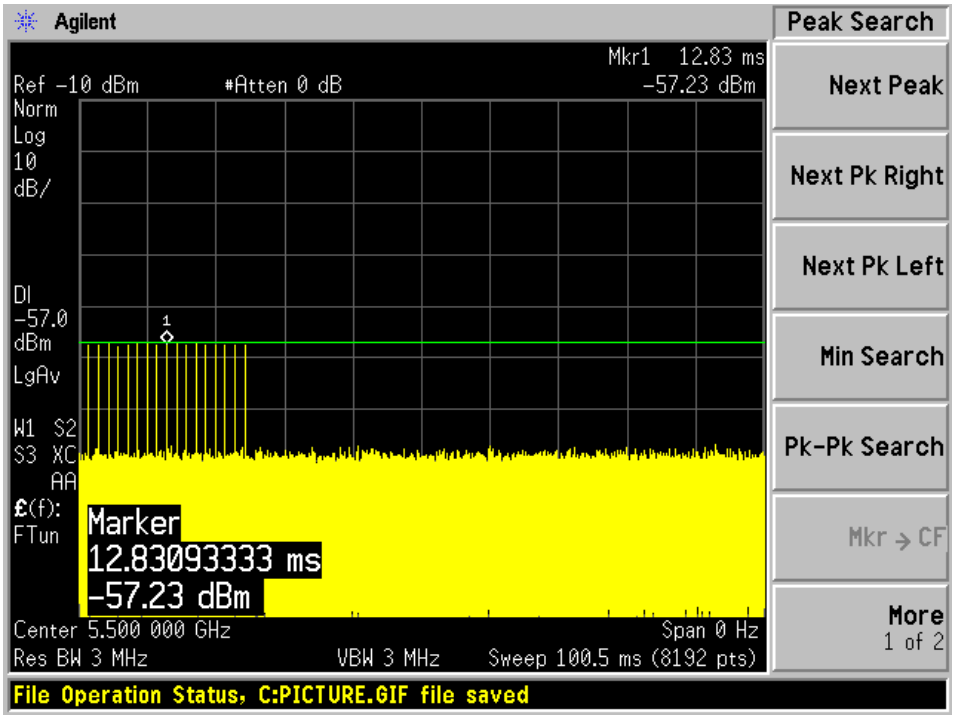
Radar Type 6



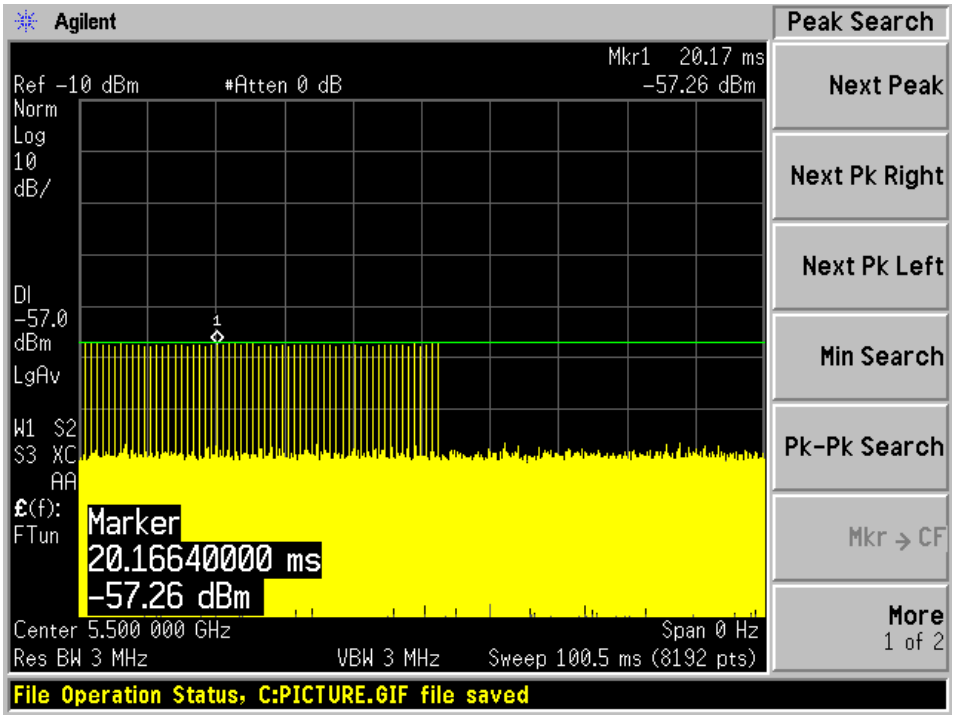
P2MP and Client Mode for Pine (Theshold Level: -57 dBm)

5500 MHz, 20MHz Channel Bandwidth

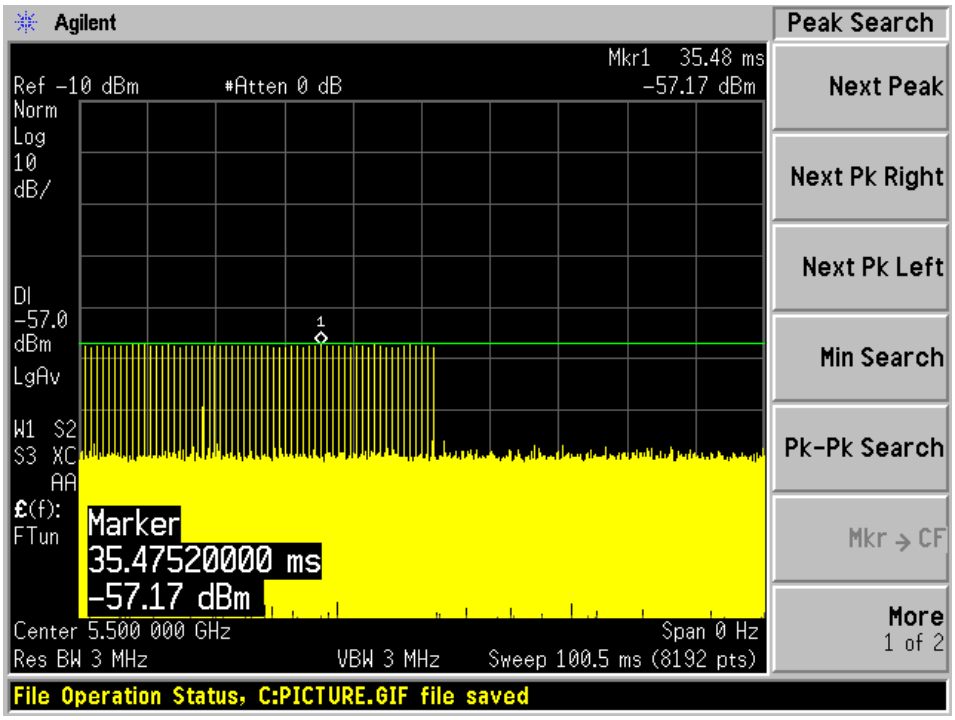
Radar Type 0



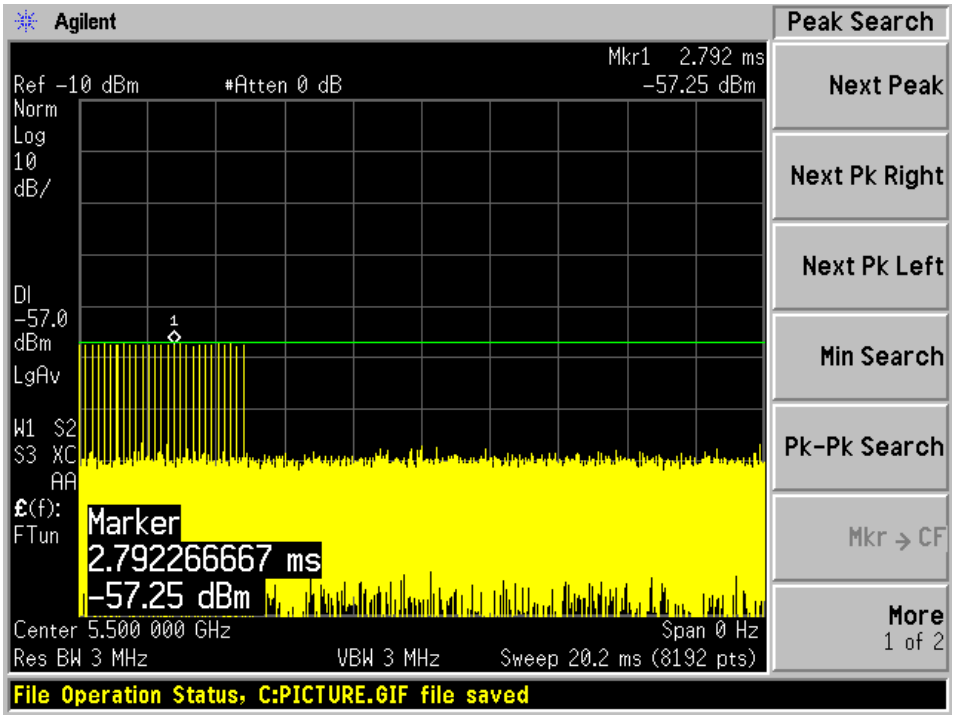
Radar Type 1A



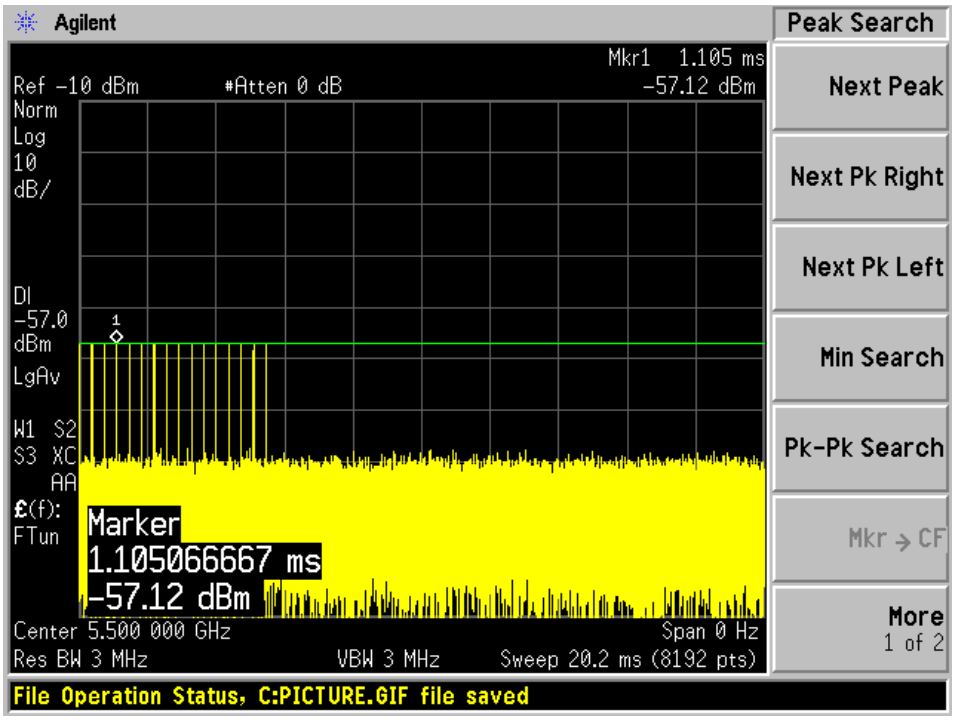
Radar Type 1B



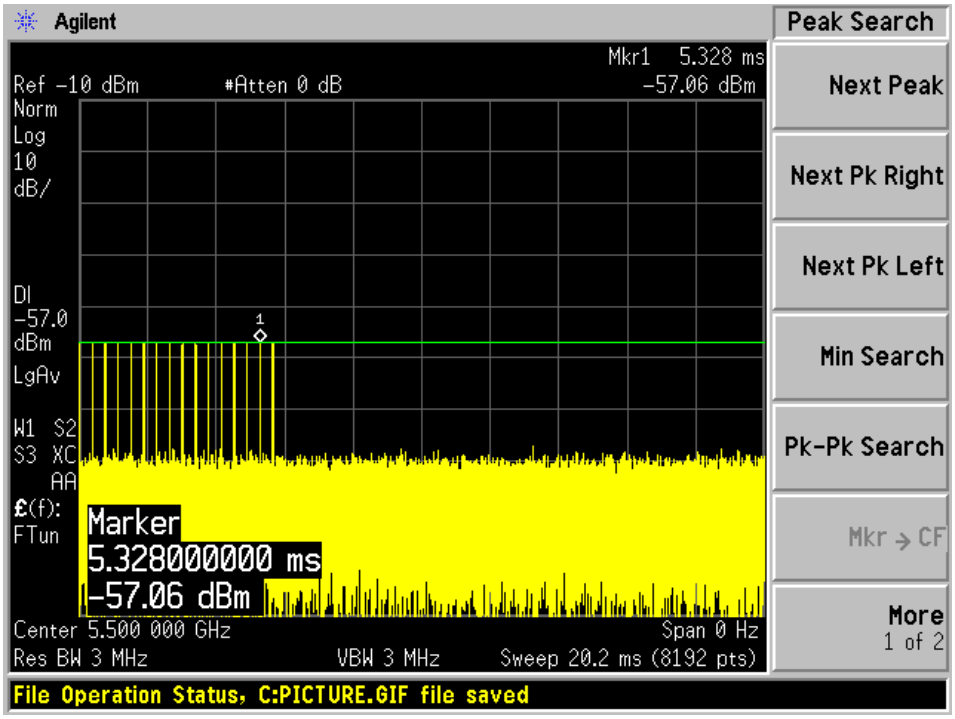
Radar Type 2



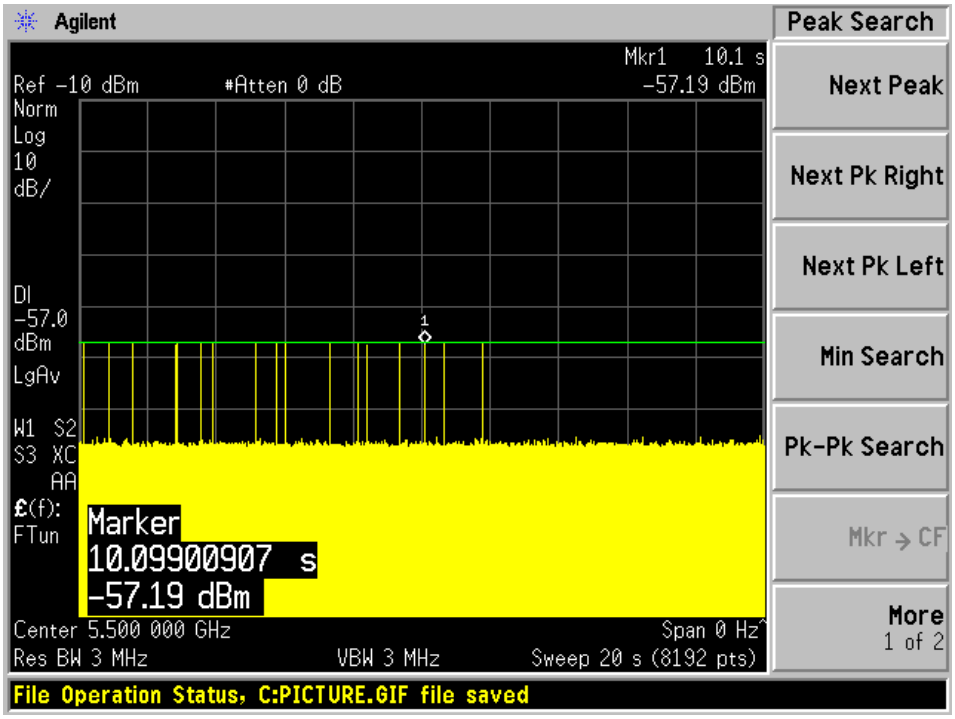
Radar Type 3



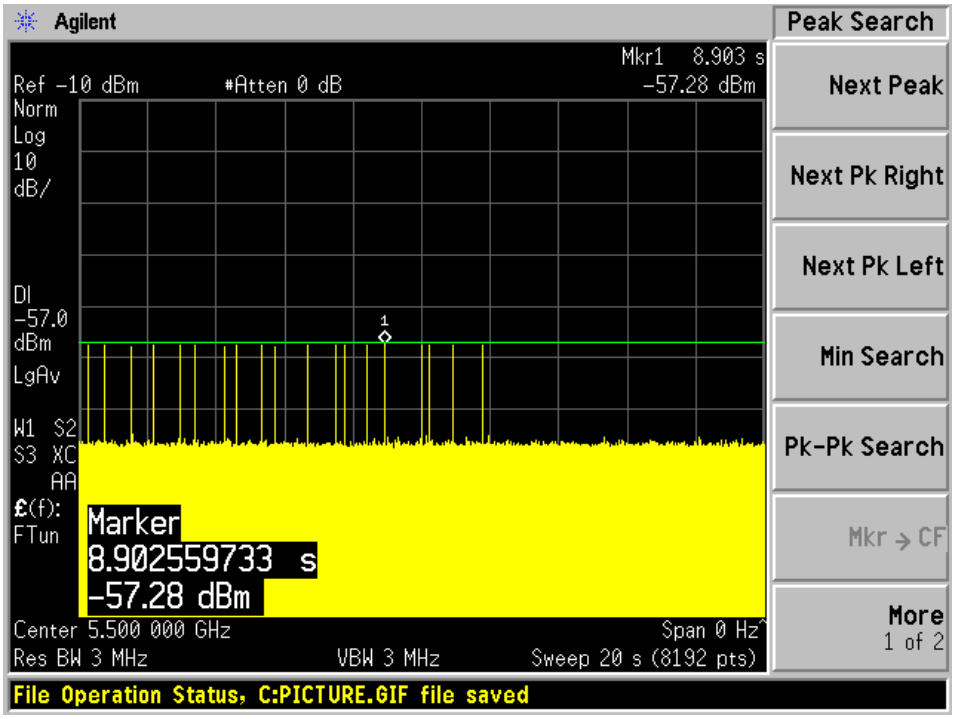
Radar Type 4



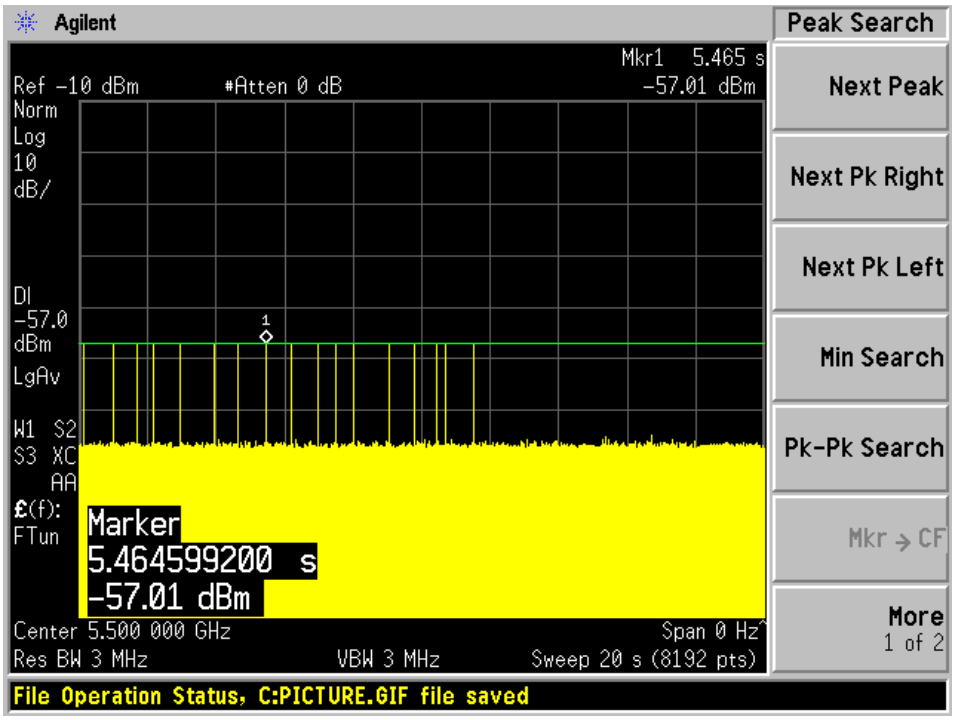
Radar Type 5 Case 1



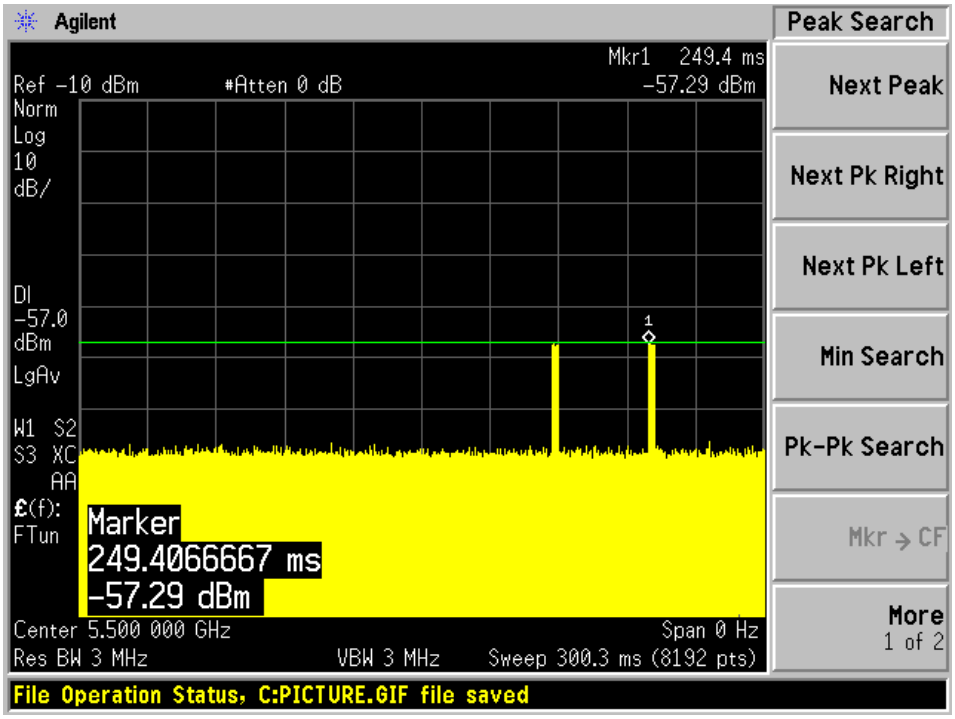
Radar Type 5 Case 2



Radar Type 5 Case 3



Radar Type 6

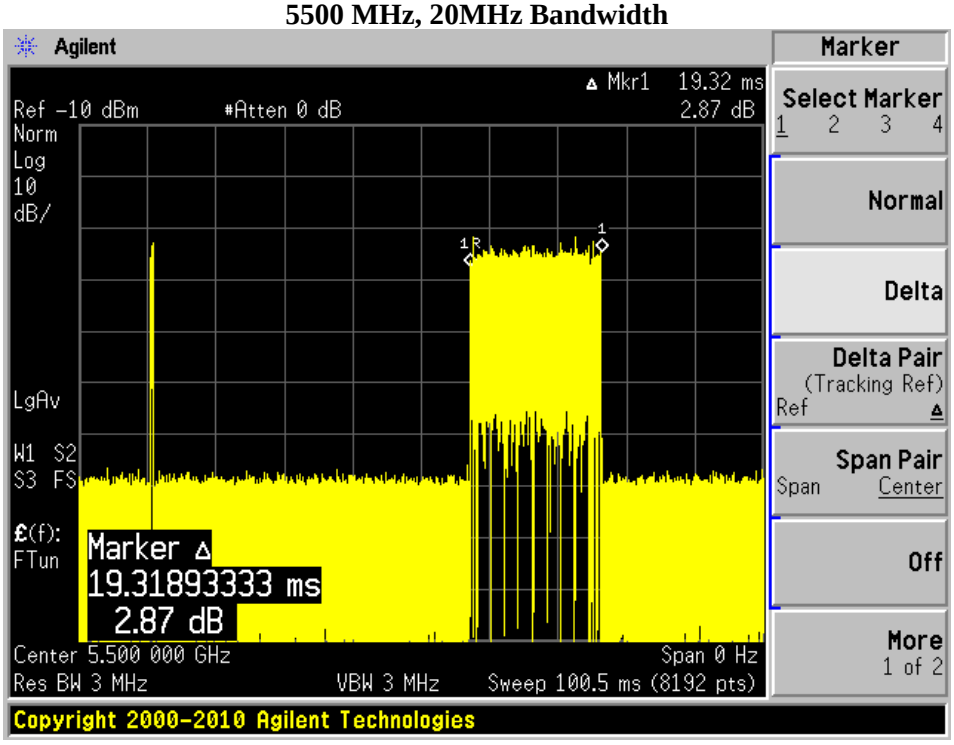


5.6 Radar Traffic Duty Cycle Example

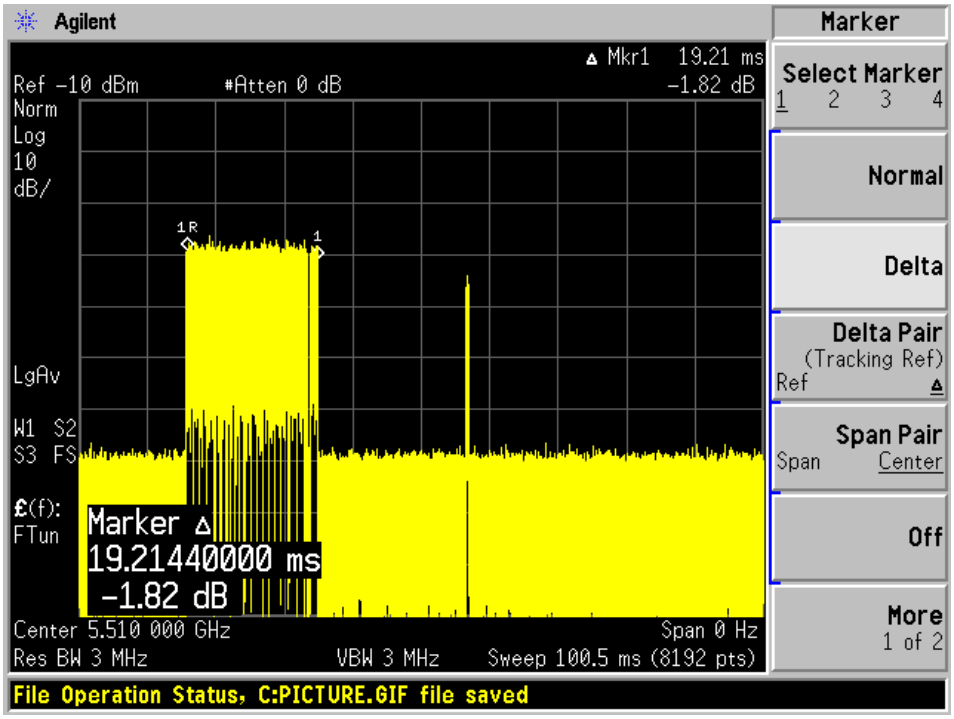
AP Mode

Cobalt Radio

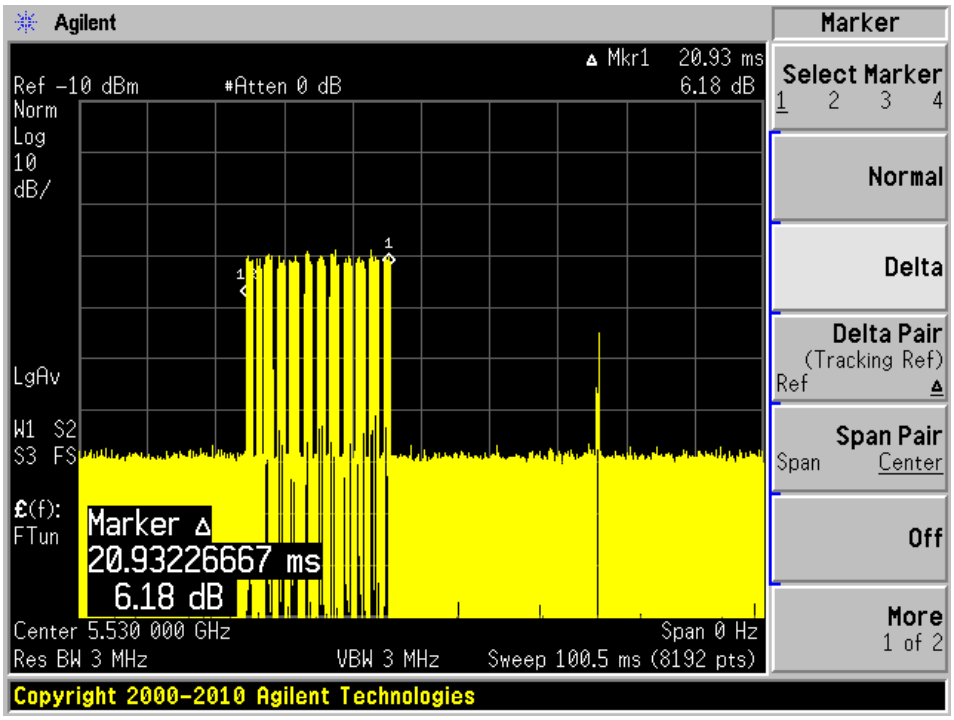
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



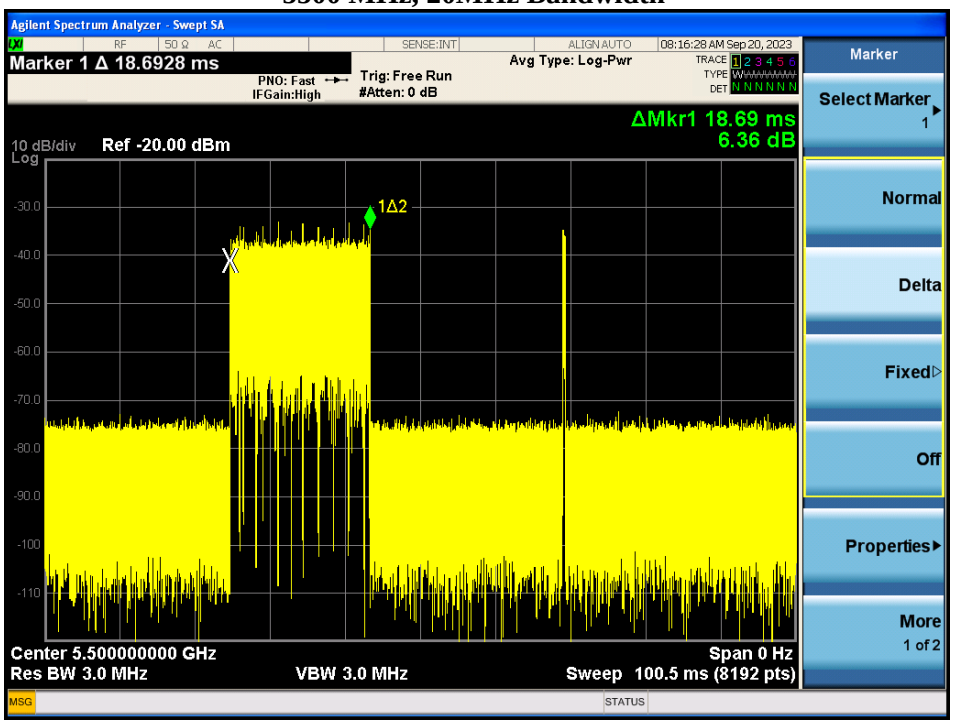
5530 MHz, 80MHz Bandwidth



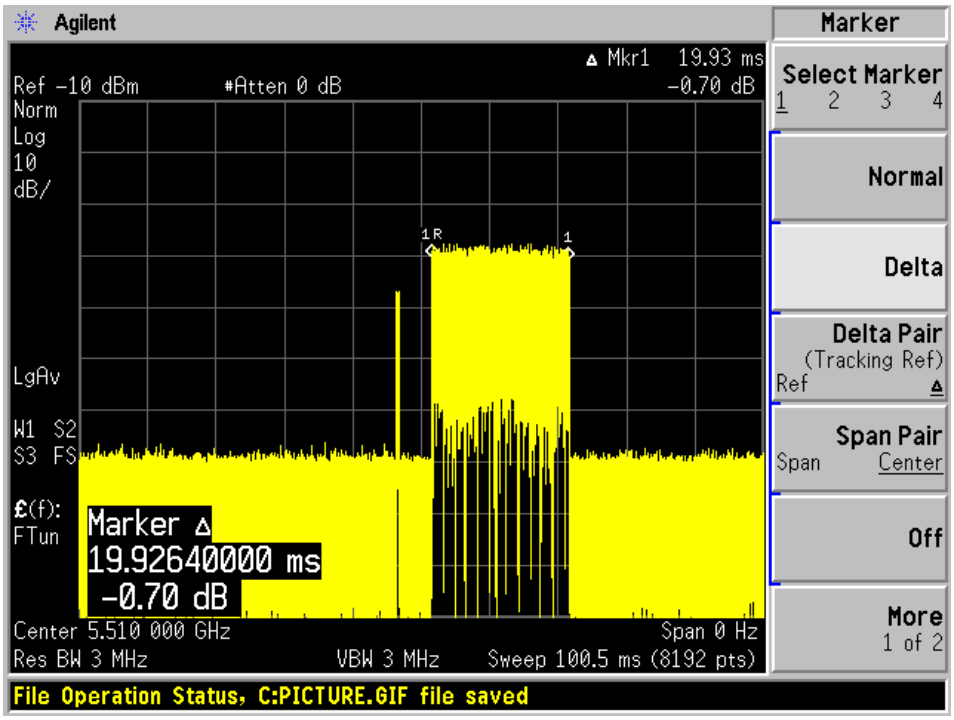
The Duty Cycle of the traffic is greater than 17%

Pine Radio

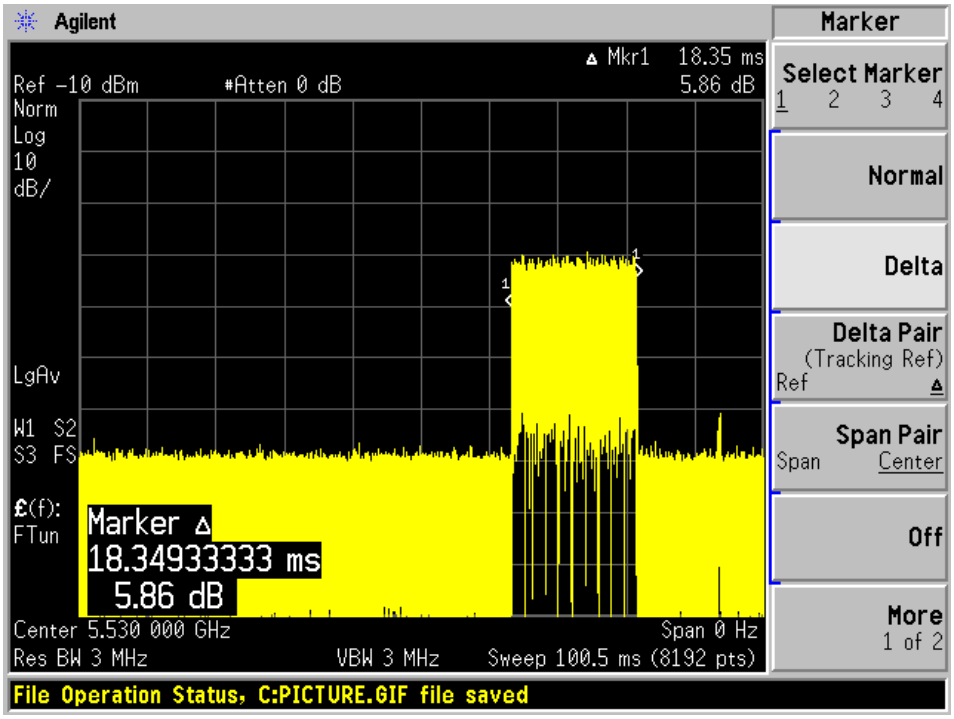
5500 MHz, 20MHz Bandwidth



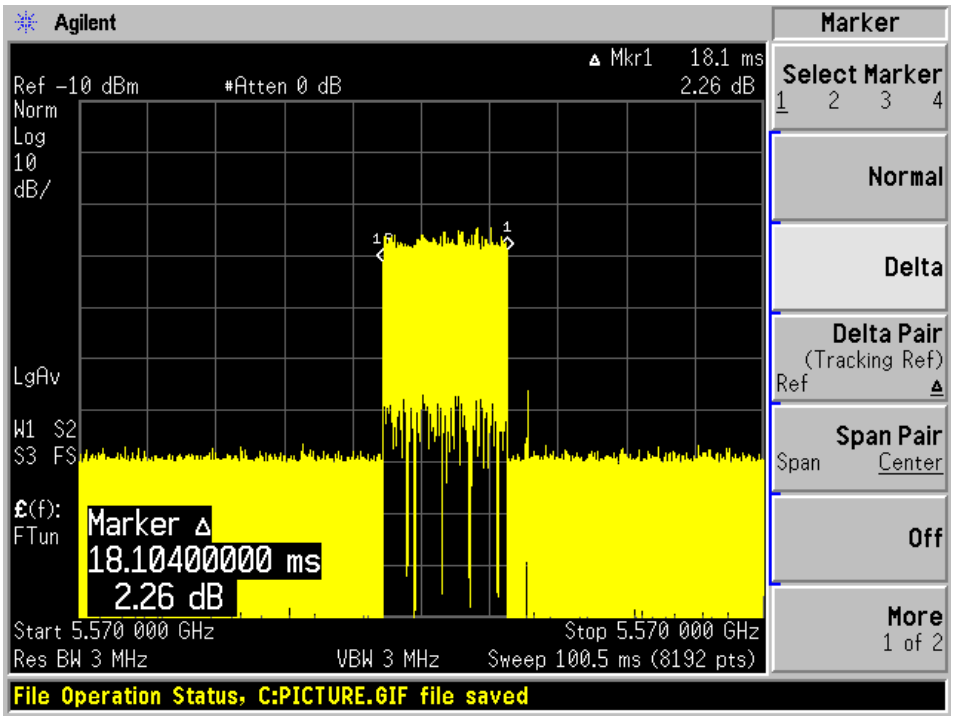
5510MHz, 40MHz Bandwidth



5530 MHz, 80MHz Bandwidth



5570 MHz, 160MHz Bandwidth

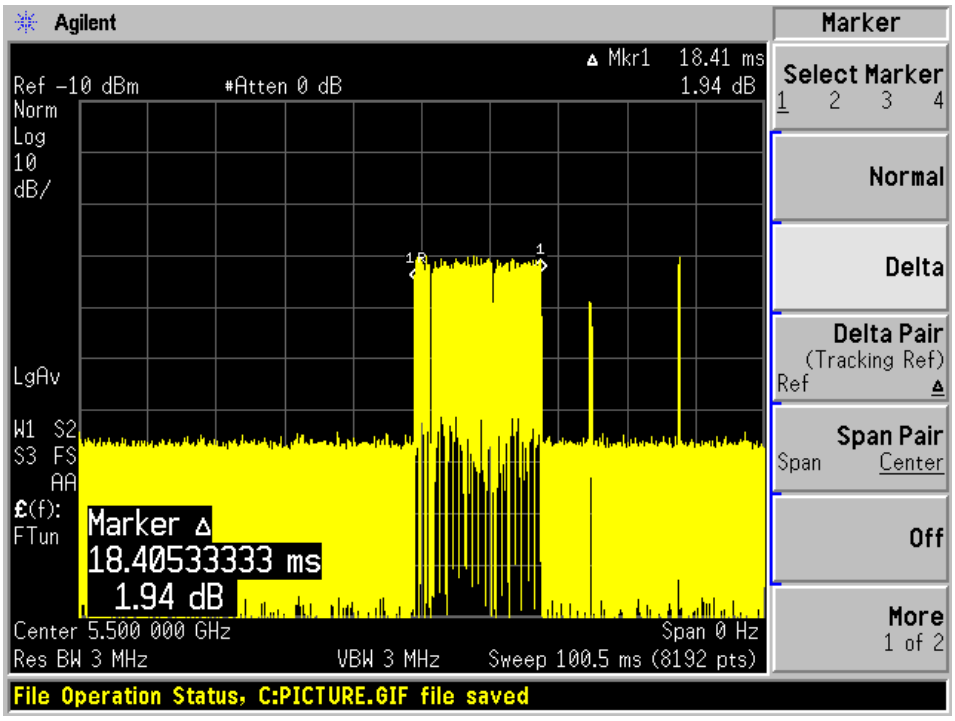


The Duty Cycle of the traffic is greater than 17%

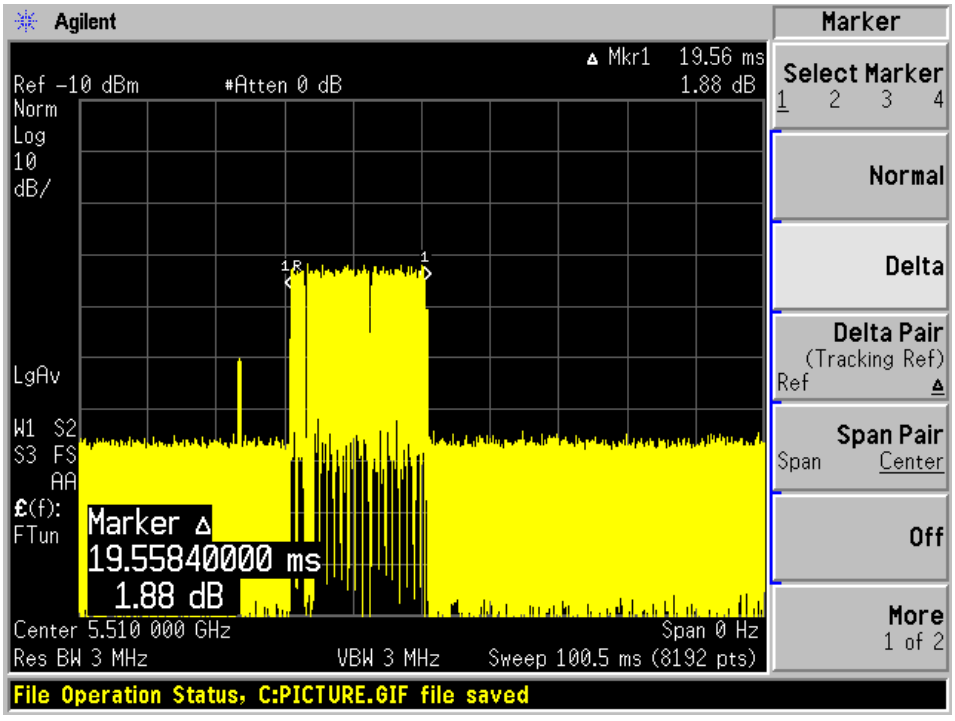
P2P Mode

Cobalt Radio

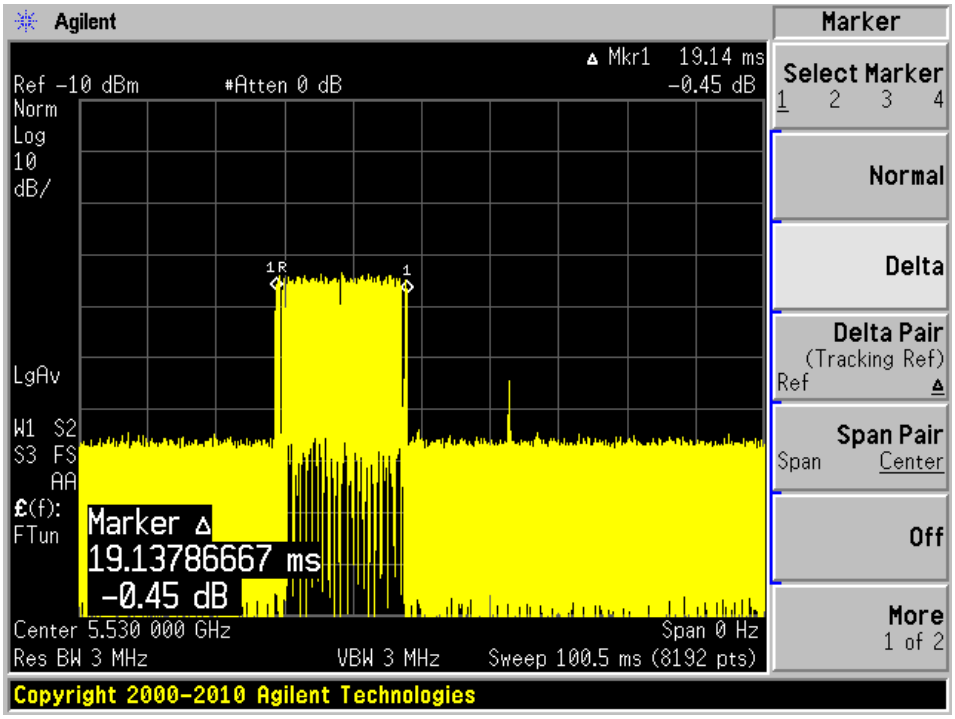
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



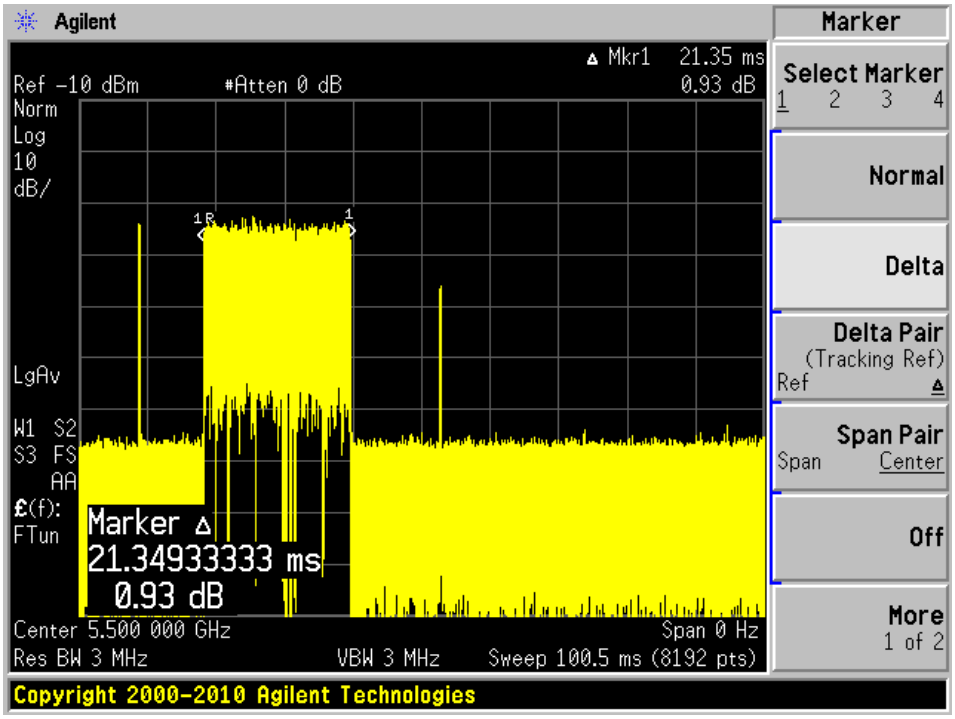
5530 MHz, 80MHz Bandwidth



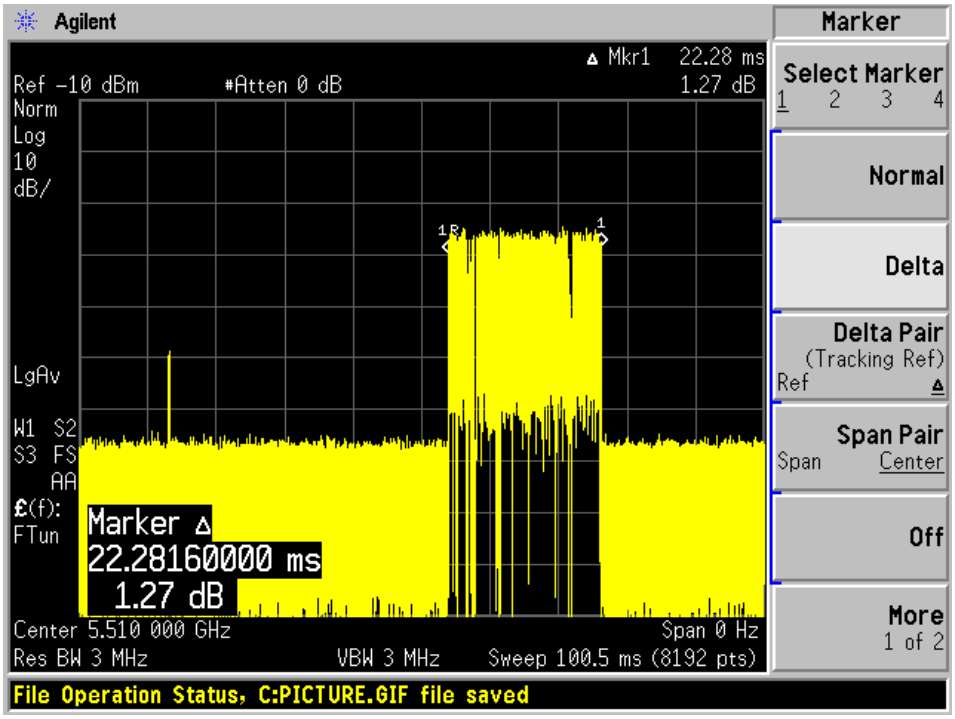
The Duty Cycle of the traffic is greater than 17%

Pine Radio

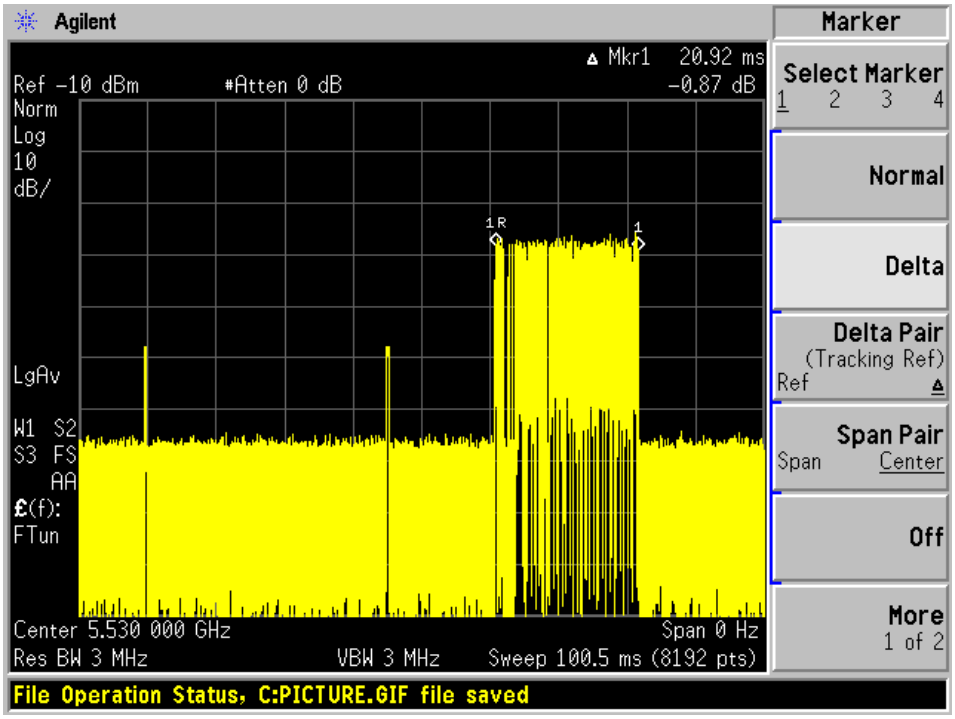
5500 MHz, 20MHz Bandwidth



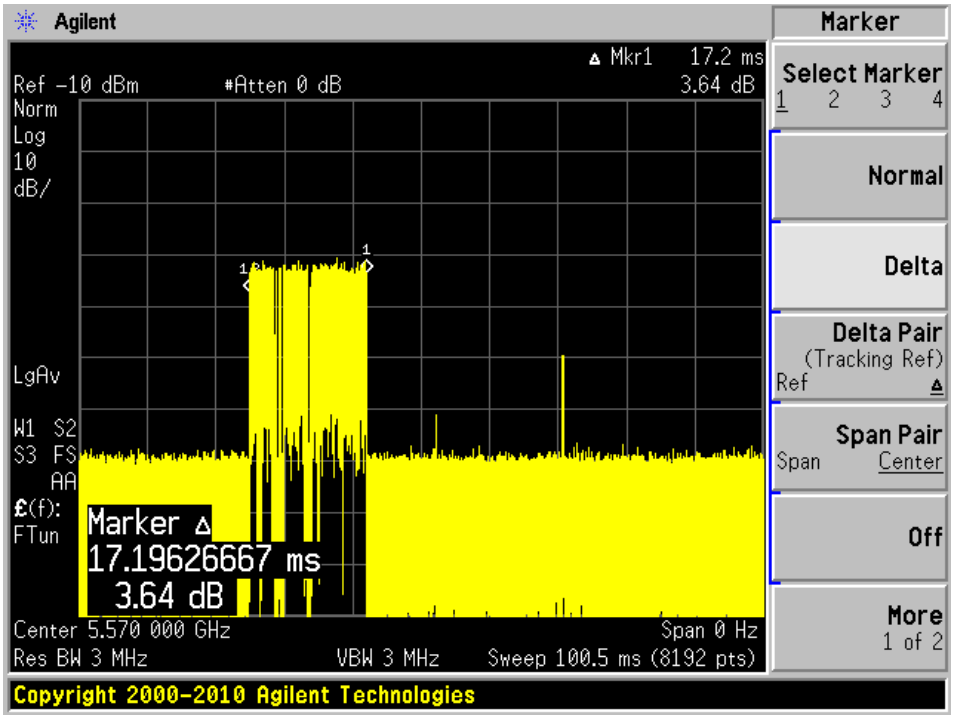
5510MHz, 40MHz Bandwidth



5530 MHz, 80MHz Bandwidth



5570 MHz, 160MHz Bandwidth

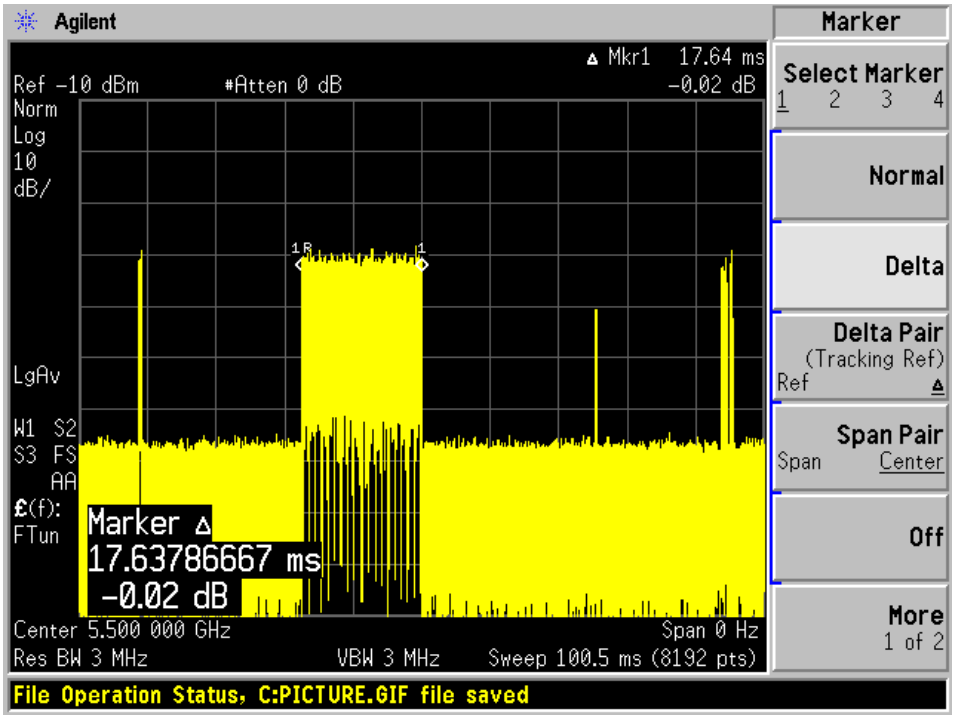


The Duty Cycle of the traffic is greater than 17%

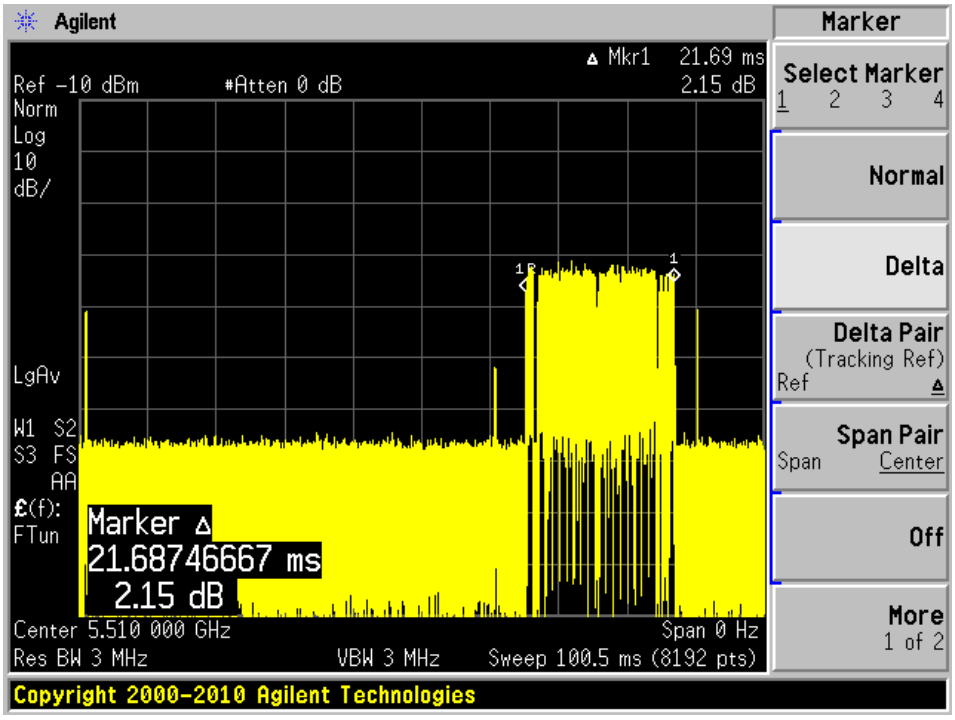
P2MP Mode

Cobalt Radio

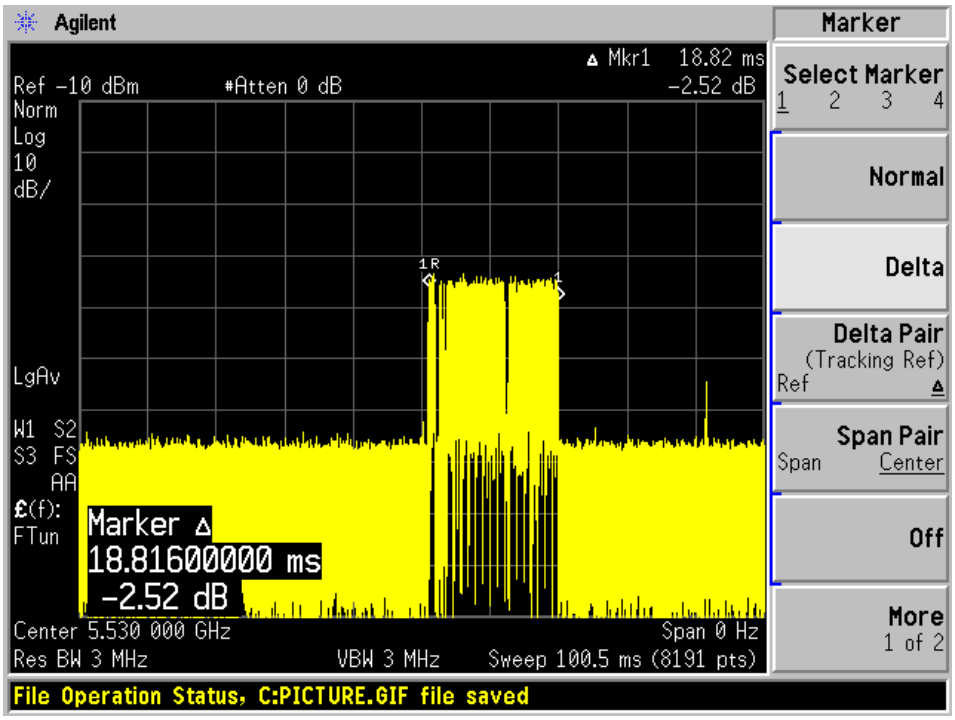
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



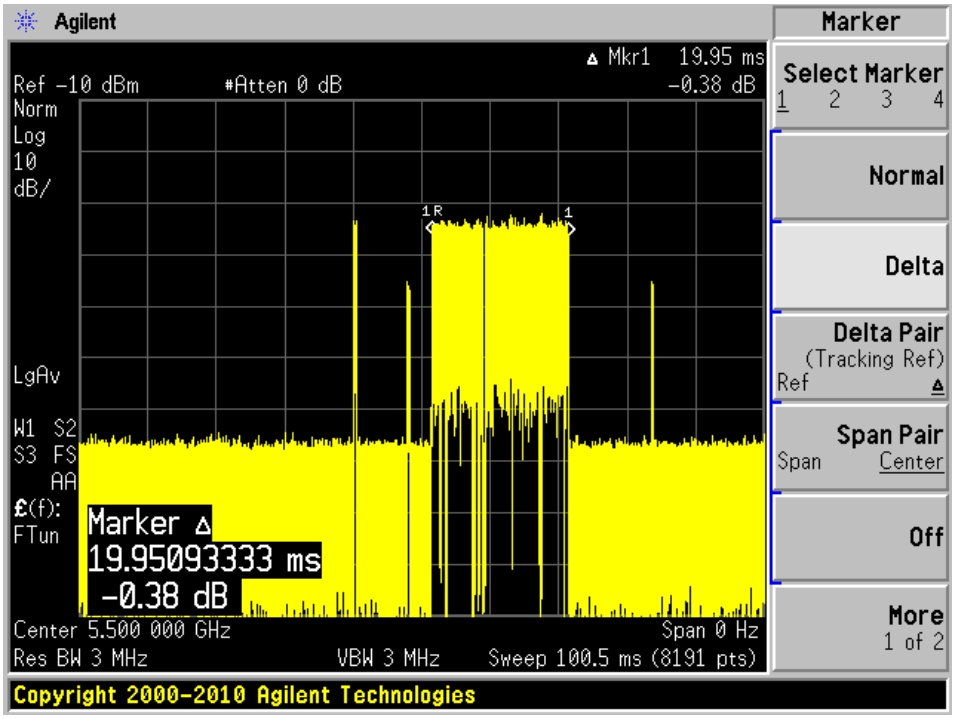
5530 MHz, 80MHz Bandwidth



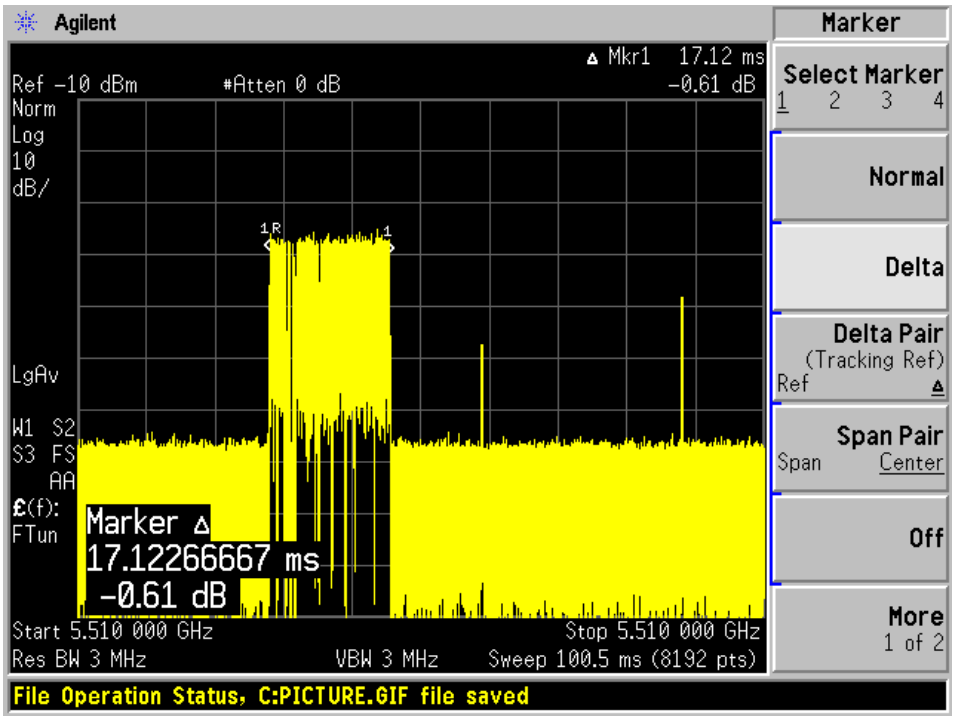
The Duty Cycle of the traffic is greater than 17%

Pine Radio

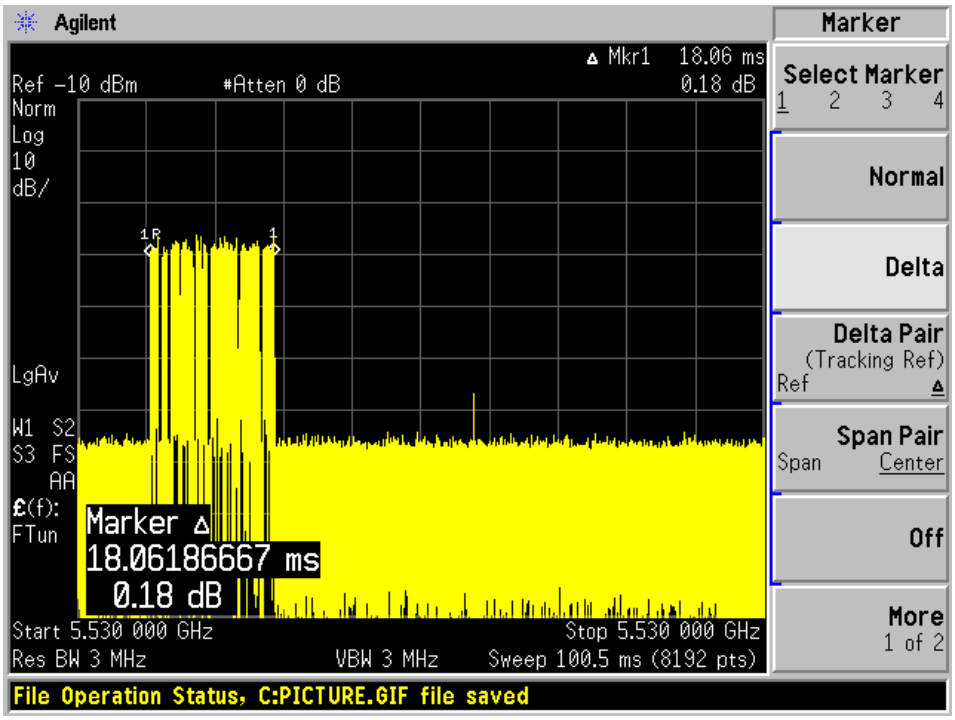
5500 MHz, 20MHz Bandwidth



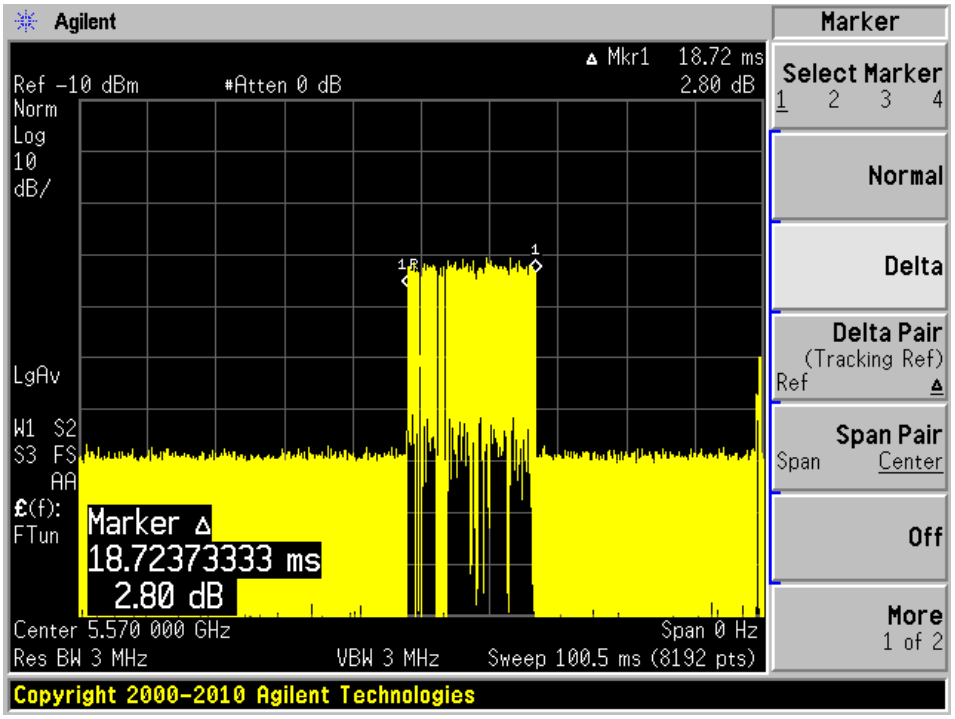
5510MHz, 40MHz Bandwidth



5530 MHz, 80MHz Bandwidth



5570 MHz, 160MHz Bandwidth

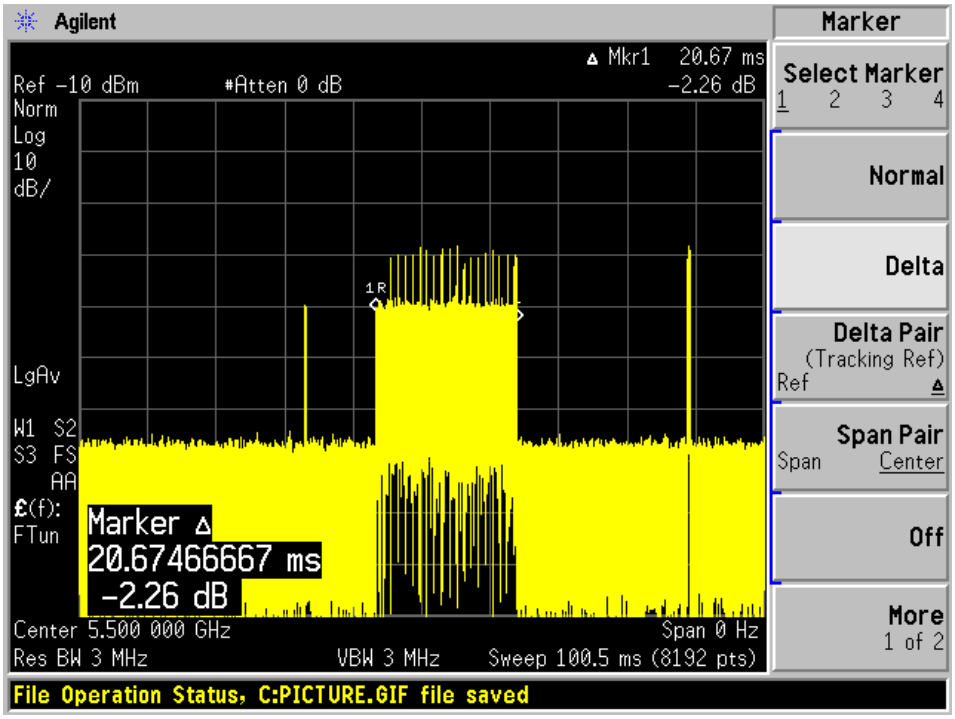


The Duty Cycle of the traffic is greater than 17%

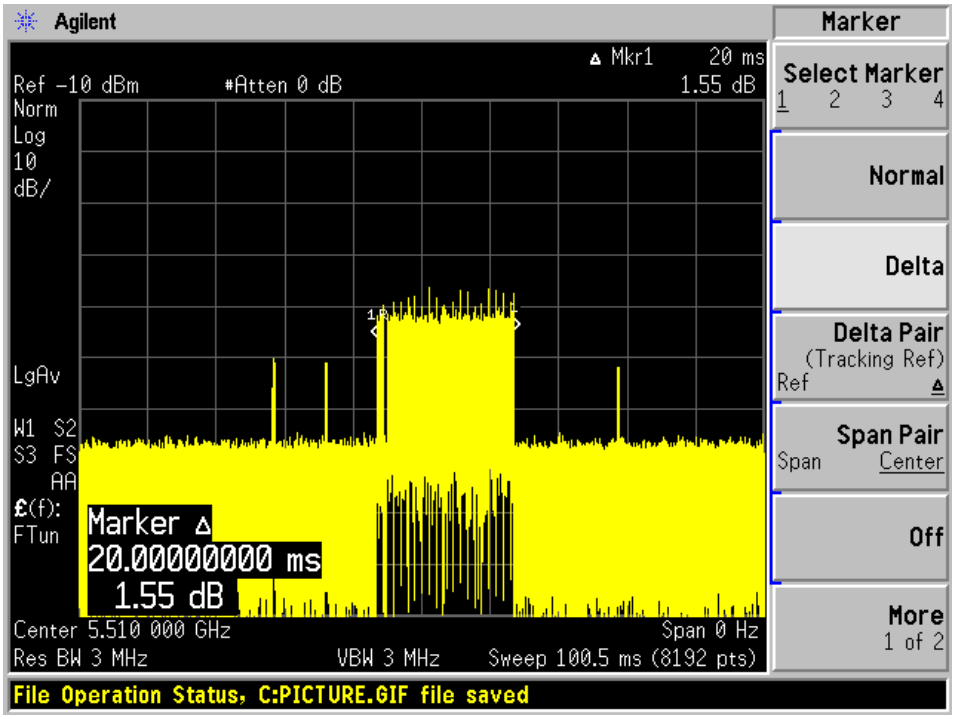
Client Mode

Cobalt Radio

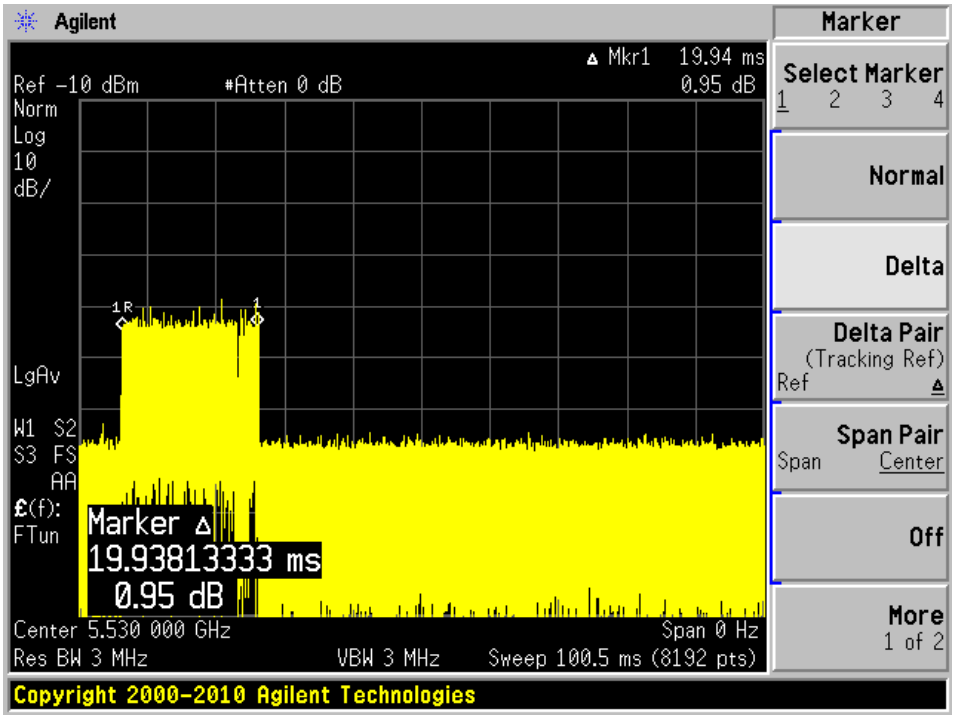
5500 MHz, 20MHz Bandwidth



5510MHz, 40MHz Bandwidth



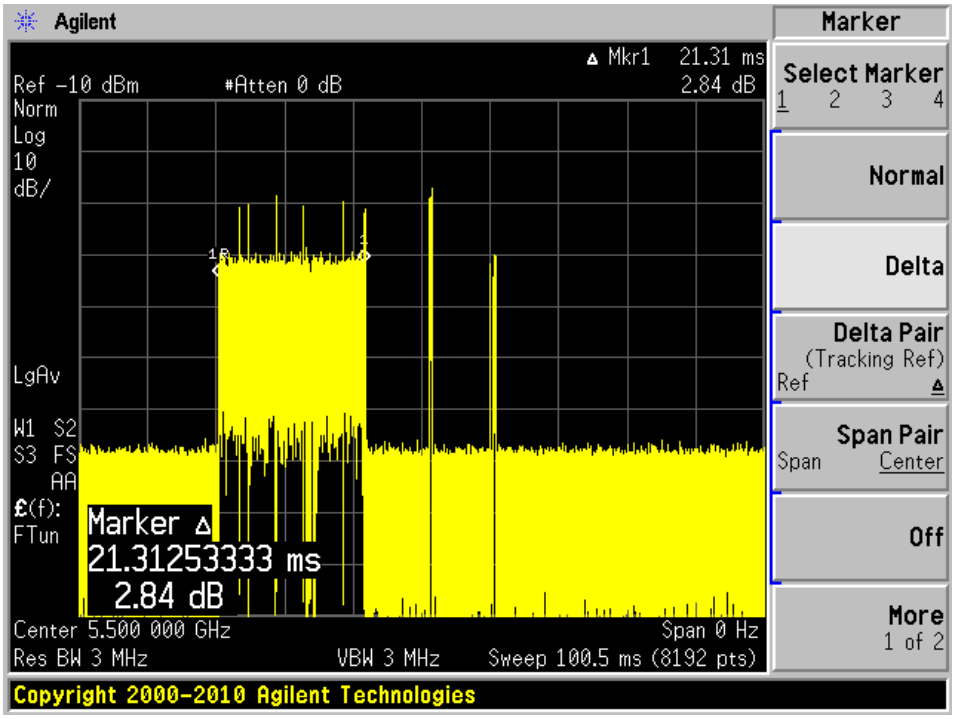
5530 MHz, 80MHz Bandwidth



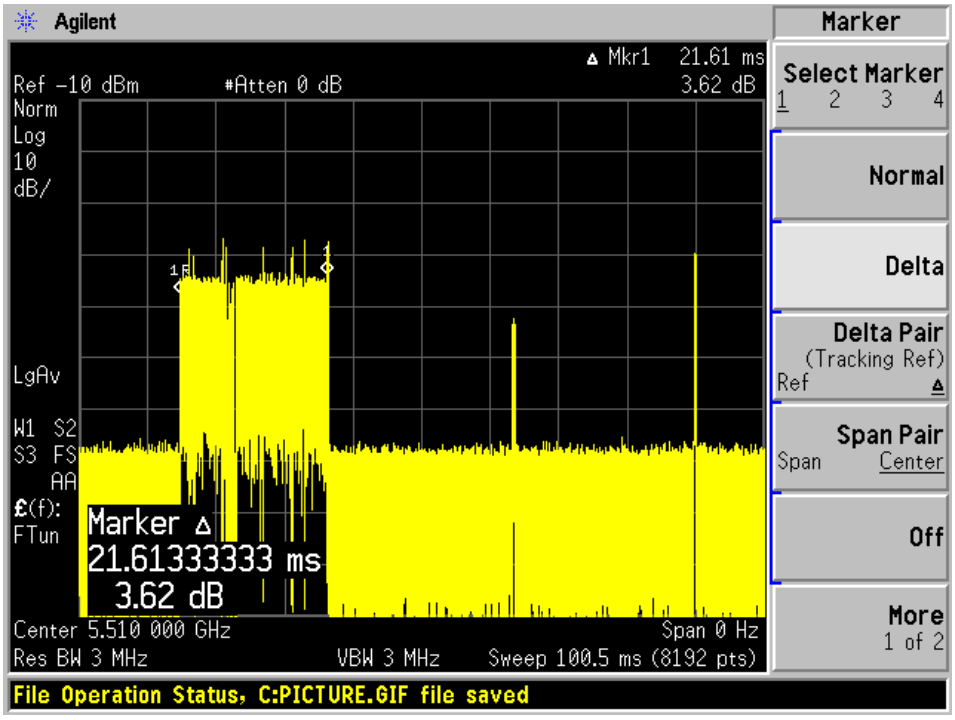
The Duty Cycle of the traffic is greater than 17%

Pine Radio

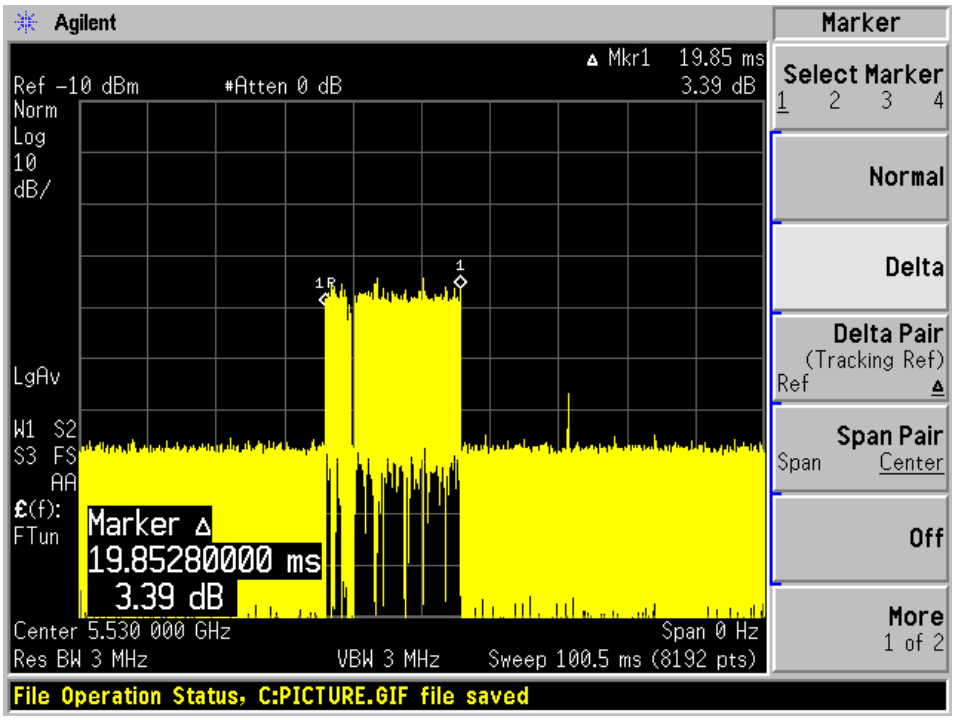
5500 MHz, 20MHz Bandwidth



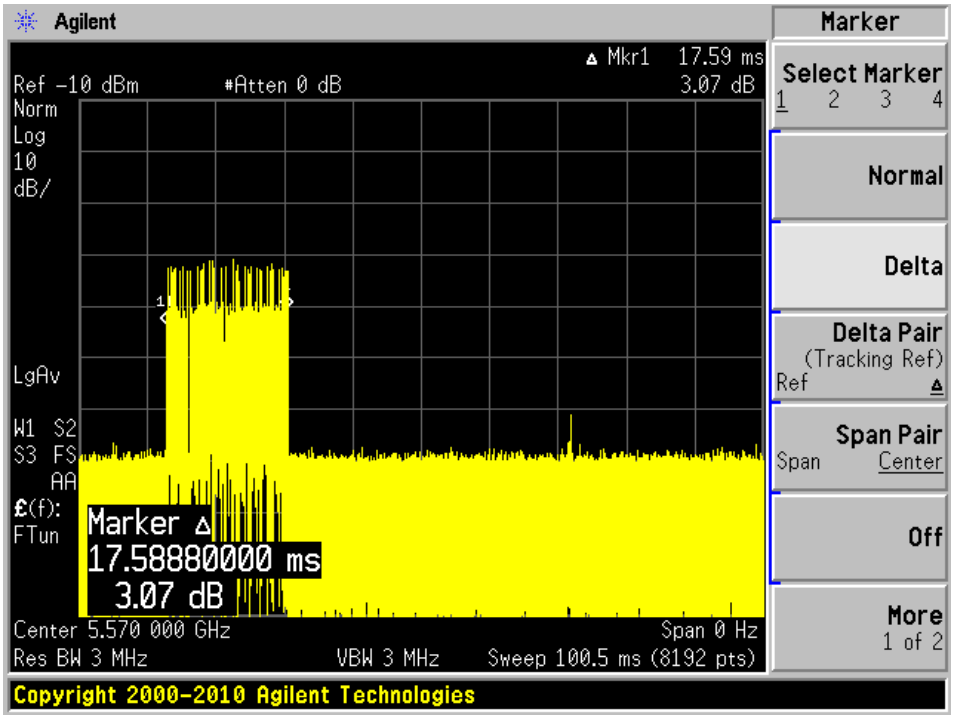
5510MHz, 40MHz Bandwidth



5530 MHz, 80MHz Bandwidth



5570 MHz, 160MHz Bandwidth



The Duty Cycle of the traffic is greater than 17%

6 Channel Availability Check Time (CAC)

6.1 Test Procedure

Master Mode procedure

1) Using TeraTerm to send commands to the EUT and using commands provided by the manufacturer, set mode to *AP mode*, channel to *channel 100* with center frequency at *5500 MHz*, and channel bandwidth to *20MHz*. After transmission begin, send the reboot command to power cycle the device. Measure and record the total time for the power cycle time and CAC time. Use the total time minus 60 seconds to determine the power cycle time.

2) Reboot the EUT again, apply a radar signal within 0~6 seconds after power cycle time ended, monitor the transmissions on channel from the spectrum analyzer. Check no transmission for 2.5 minutes after radar detection.

3) Reboot EUT, apply a radar signal within 54~60 seconds after the power cycle time ended, and monitor the transmission on channel from the spectrum analyzer. Check no transmission for 2.5 minutes after radar detection.

6.2 Results

AP Mode

Cobalt Radio

Timing of Radar Burst	Spectrum Analyzer Display	Result
No Radar Triggered	Total CAC Period 60 second	Pass
Within 6 seconds of the CAC starting	No transmission	Pass
Within the last 6 seconds of the CAC	No transmission	Pass

Pine Radio

Timing of Radar Burst	Spectrum Analyzer Display	Result
No Radar Triggered	Total CAC Period 60 second	Pass
Within 6 seconds of the CAC starting	No transmission	Pass
Within the last 6 seconds of the CAC	No transmission	Pass

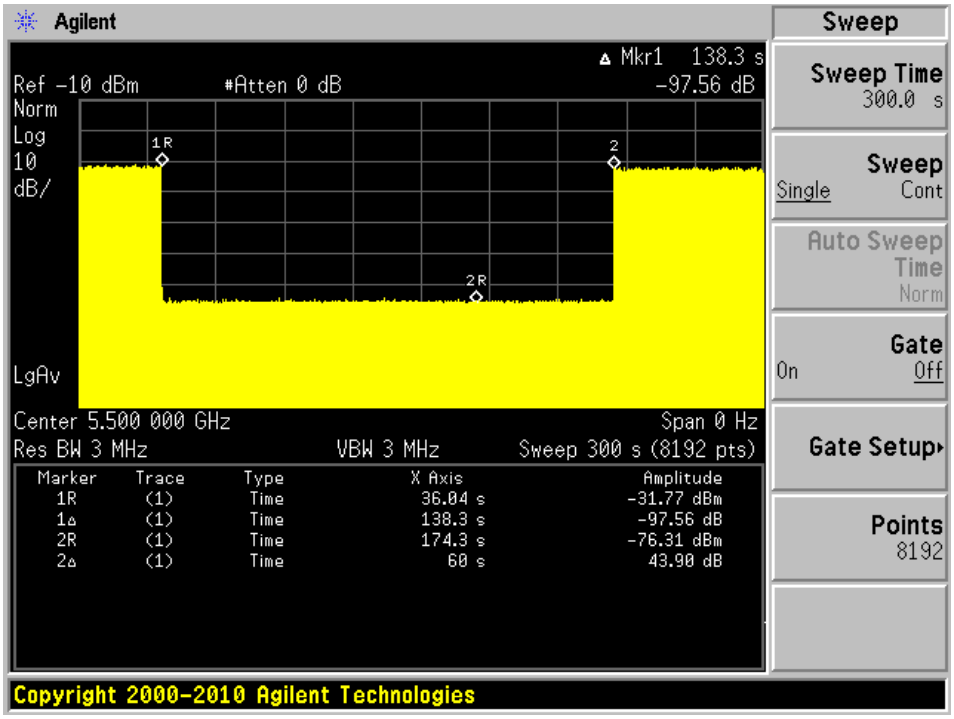
Please refer to the following plots.

AP Mode

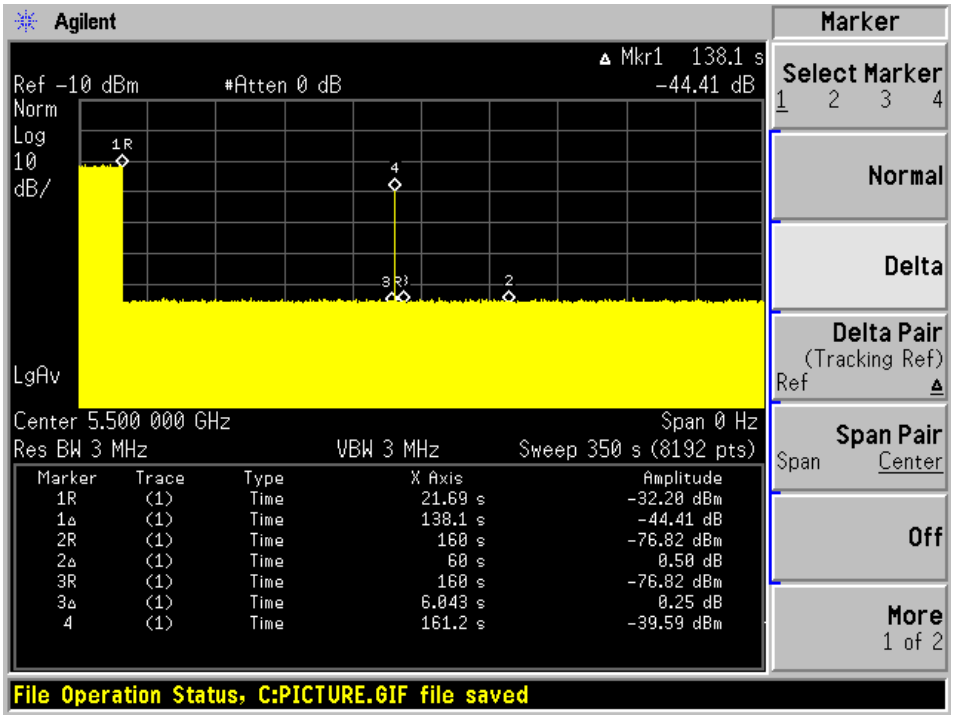
Cobalt Radio

5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period

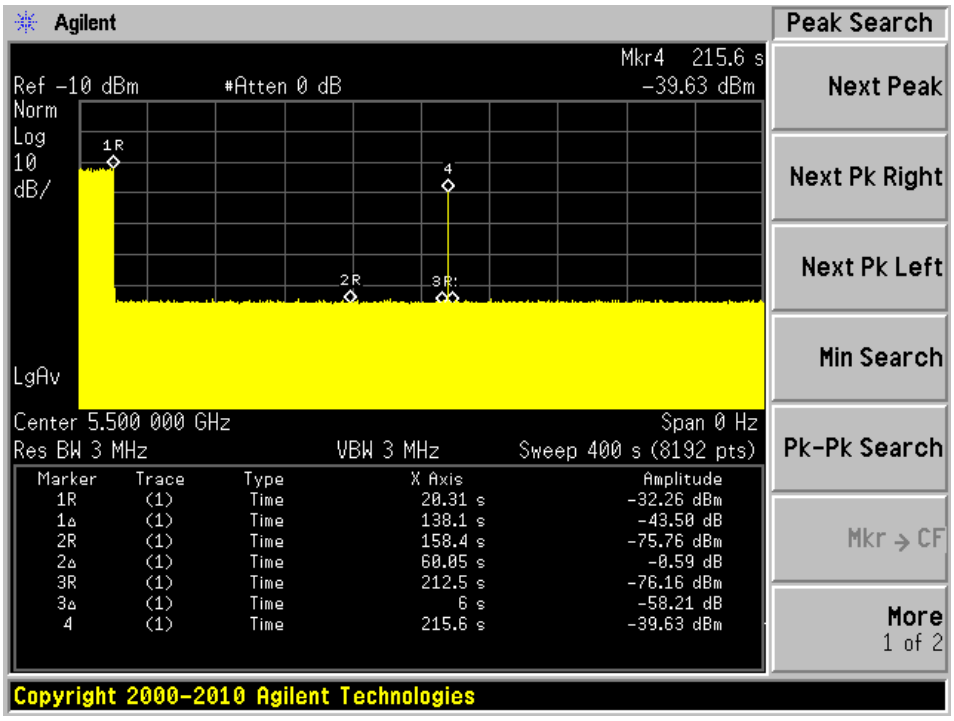


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

Plot of Radar signal applied at the end of 6 seconds of CAC



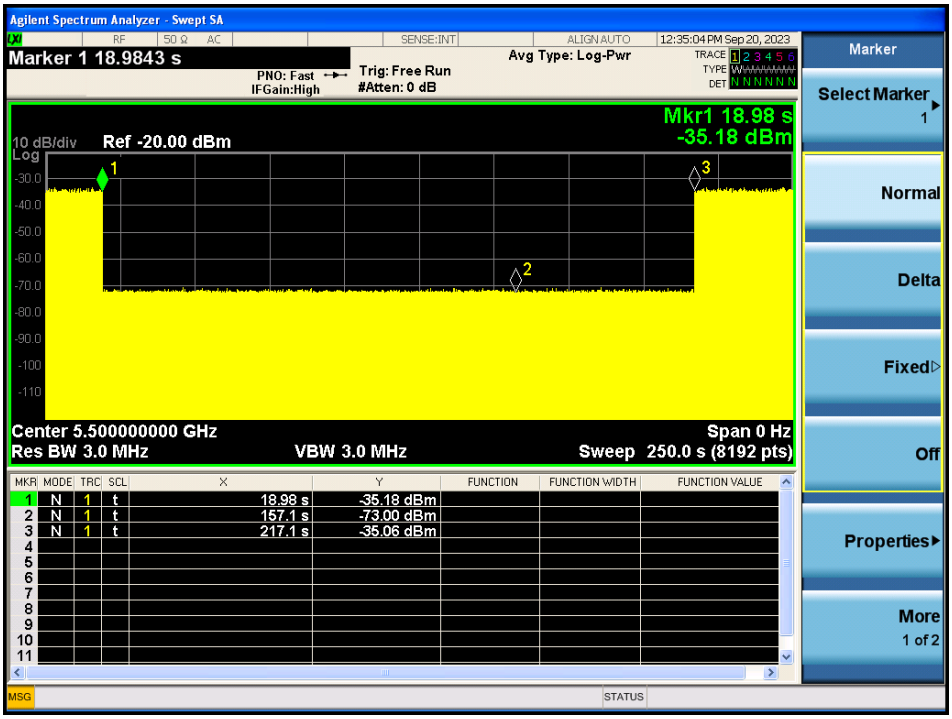
No transmissions found after radar signal applied.

AP Mode

Pine Radio

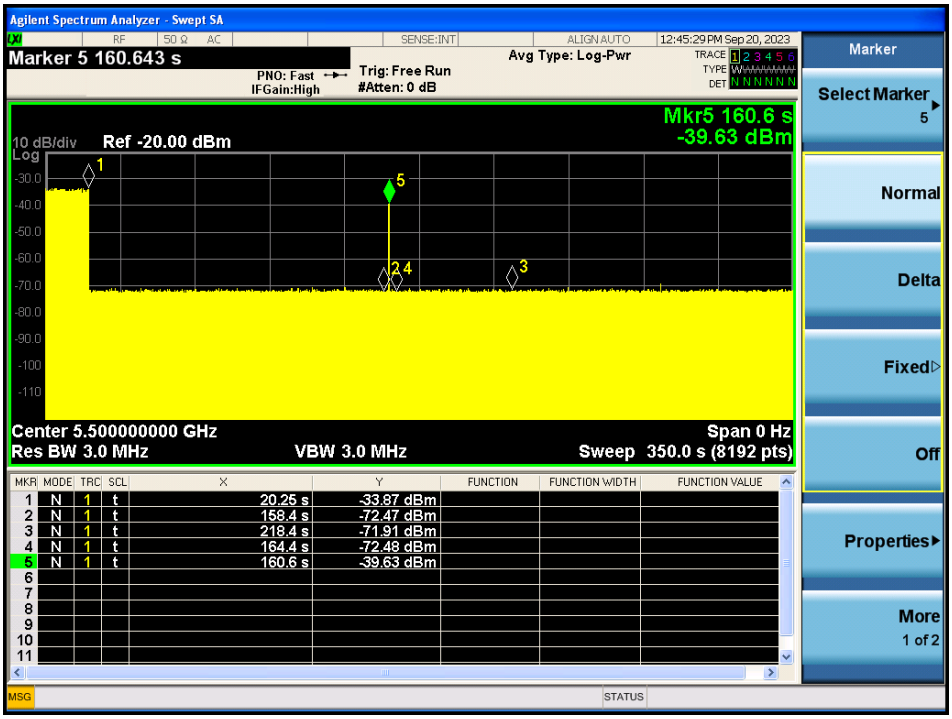
5500 MHz, 20MHz Channel Bandwidth

Plot of Power Cycle + CAC Time Period



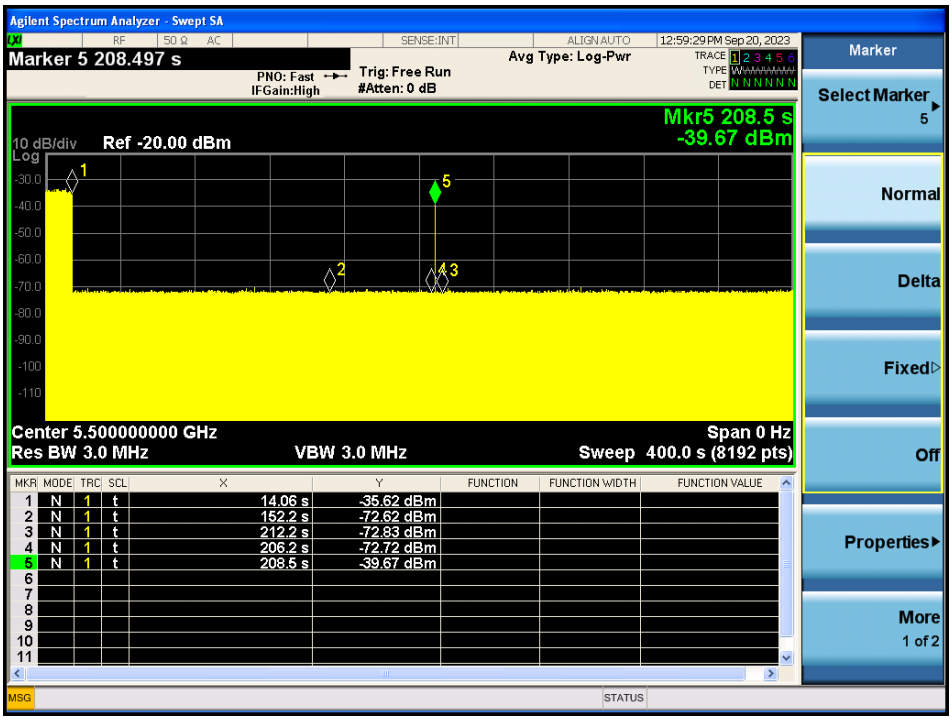
Note: Power Cycle Time (From Marker 2 to Marker 1) = 157.1s – 18.98s = 138.12 seconds

Plot of Radar signal applied within 6 seconds of start of CAC



Note: Power Cycle Time (From Marker 2 to Marker 1) = 158.4s – 20.26s = 138.14 seconds
Note: Channel Availability Check Time (From Marker 3 to Marker 2) = 218.4s – 158.4s = 60 seconds
Note: Burst at Beginning Window (From Marker 4 to Marker 2) = 164.4s – 158.4s = 6 seconds
No transmissions found after radar signal applied.

Plot of Radar signal applied at the end of 6 seconds of CAC



Note: Power Cycle Time (From Marker 2 to Marker 1) = 152.2s – 14.06s = 138.14 seconds
Note: Channel Availability Check Time (From Marker 3 to Marker 2) =212.2s – 152.2s = 60 seconds
Note: Burst at Beginning Window (From Marker 3 to Marker 4) = 212.2s – 206.2s = 6 seconds
No transmissions found after radar signal applied.

7 Channel Move Time and Channel Closing Transmission Time

7.1 Test Procedure

BACL use type 0 radar signal to test the channel move time and channel closing transmission time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = N * Dwell Time

N is the number of spectrum analyzer bins showing a device transmission
Dwell Time is the dwell time per bin (i.e. Dwell Time = S/B, S is the sweep time and B is the number of bin, i.e. 8192)

7.2 Test Results

AP, P2P, P2MP, Client, Client Mode Injection at Client, and Client Mode Injection at Master Mode

Cobalt Radio

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5530	80	Type 0	Compliant

Pine Radio

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5570	160	Type 0	Compliant

Please refer to the following tables and plots.

s

AP Mode

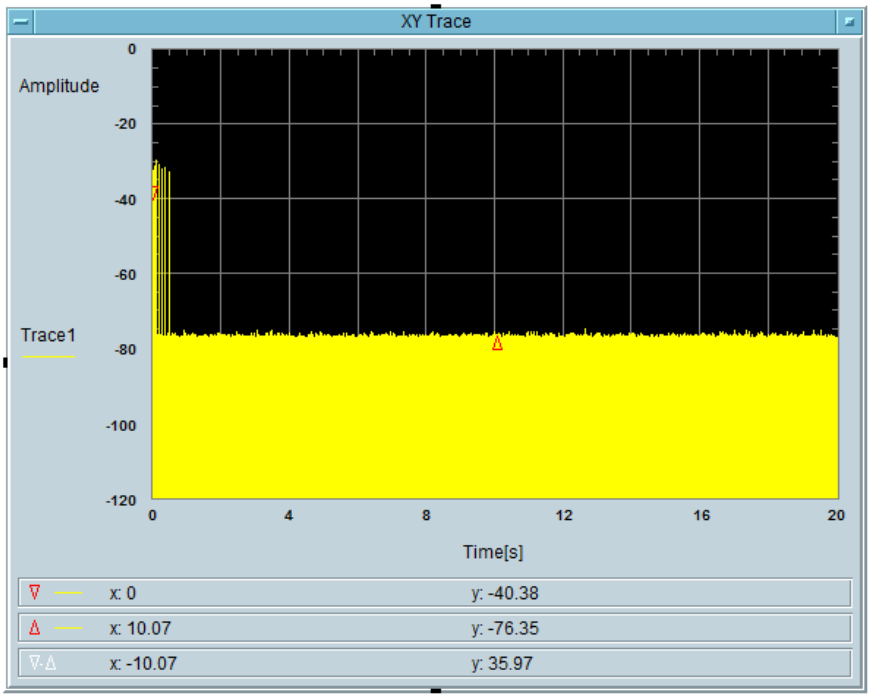
Cobalt Radio

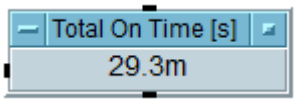
5530 MHz, Bandwidth 80 MHz

Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
29.3+7.324	200+60	Pass

Channel move time (s)	Limit (s)	Result
< 10	10	Pass





AP Mode

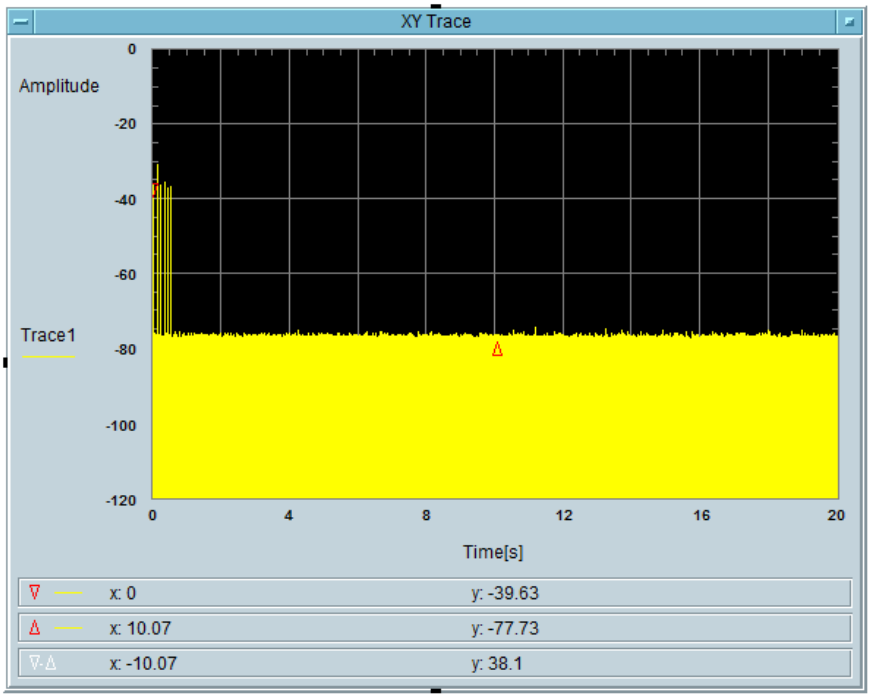
Pine Radio

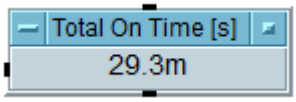
5570 MHz, Bandwidth 160 MHz

Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
29.3+9.766	200+60	Pass

Channel move time (s)	Limit (s)	Result
< 10	10	Pass





P2P Mode

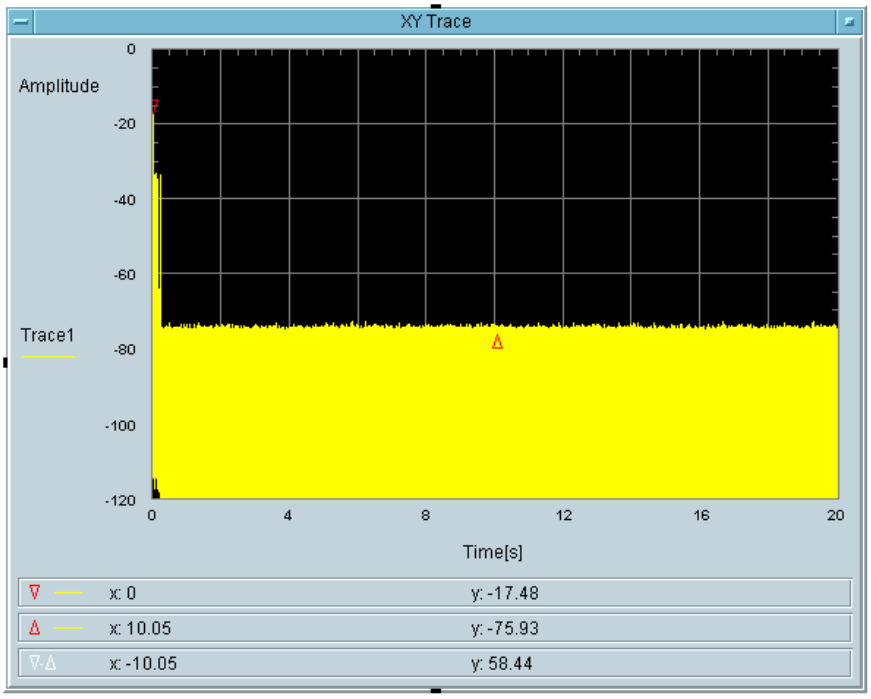
Pine Radio

5570 MHz, Bandwidth 160 MHz

Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
102.5+2.441	200+60	Pass

Channel move time (s)	Limit (s)	Result
< 10	10	Pass



P2MP Mode

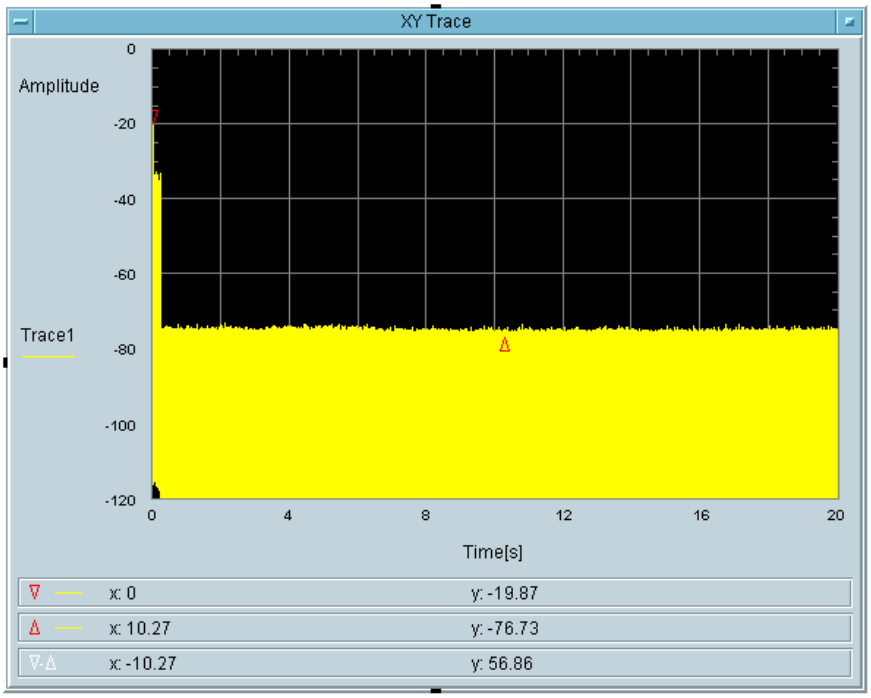
Pine Radio

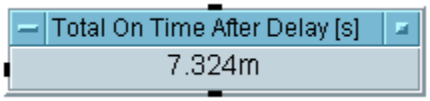
5570 MHz, Bandwidth 160 MHz

Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
107.4+7.324	200+60	Pass

Channel move time (s)	Limit (s)	Result
< 10	10	Pass





Client Mode Injection at Client

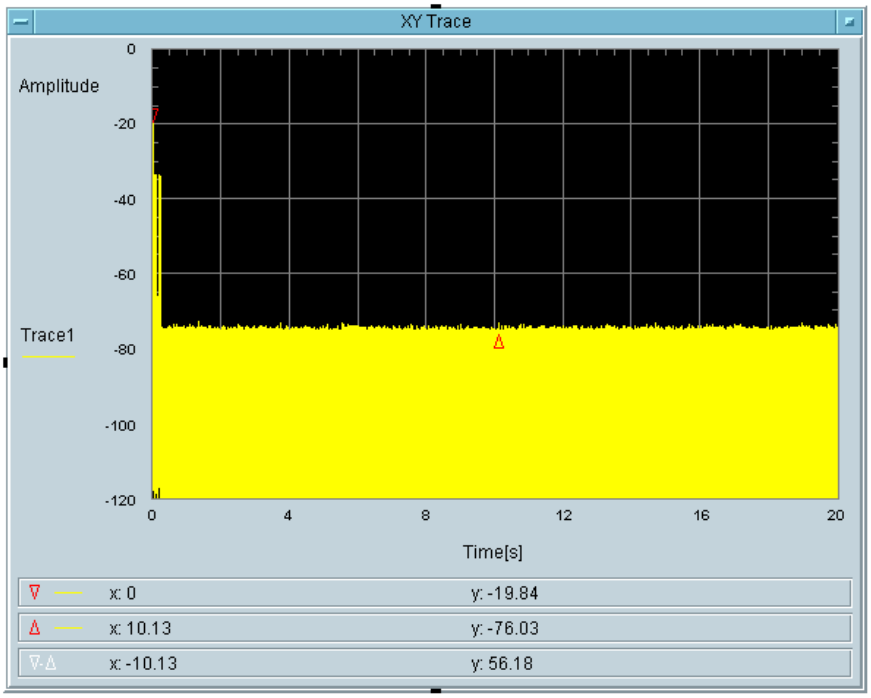
Pine Radio

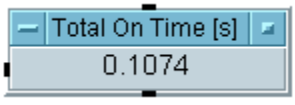
5570 MHz, Bandwidth 160 MHz

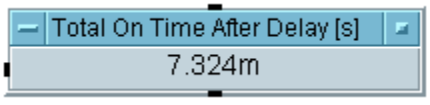
Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
107.4+7.324	200+60	Pass

Channel move time (s)	Limit (s)	Result
< 10	10	Pass







Client Mode Injection at Master

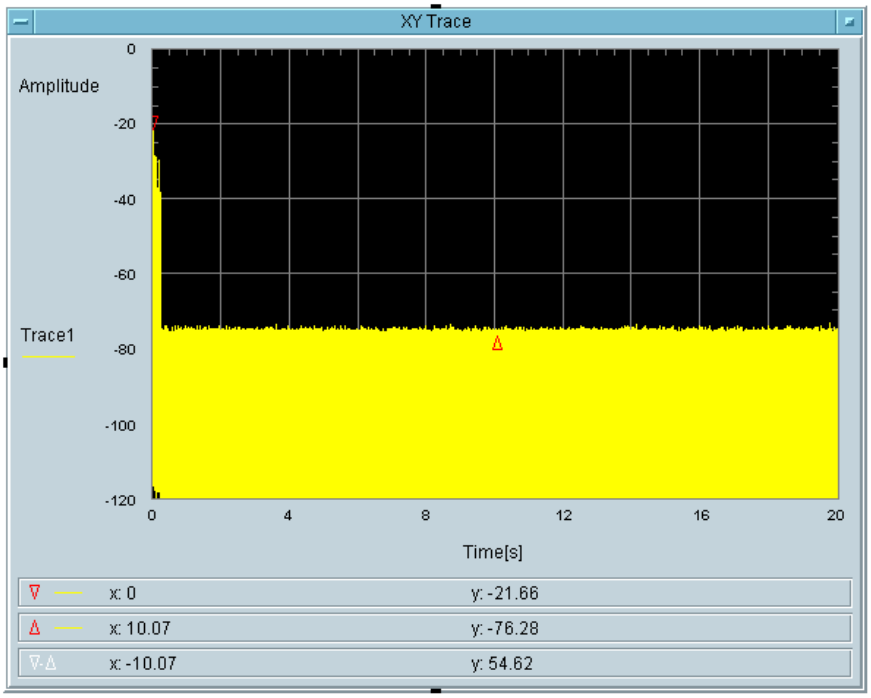
Pine Radio

5570 MHz, Bandwidth 160 MHz

Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
100.1+0	200+60	Pass

Channel move time (s)	Limit (s)	Result
< 10	10	Pass



8 Non-Occupancy Period

8.1 Test Procedure

Measure the EUT for more than 30 minutes following the channel close/move time to very that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

8.2 Test Results

AP, P2P, P2MP, Client Mode Injection at Client, and Client Mode Injection at Master Mode

Cobalt Radio

Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5530	80	No transmission within 30 minutes

Pine Radio

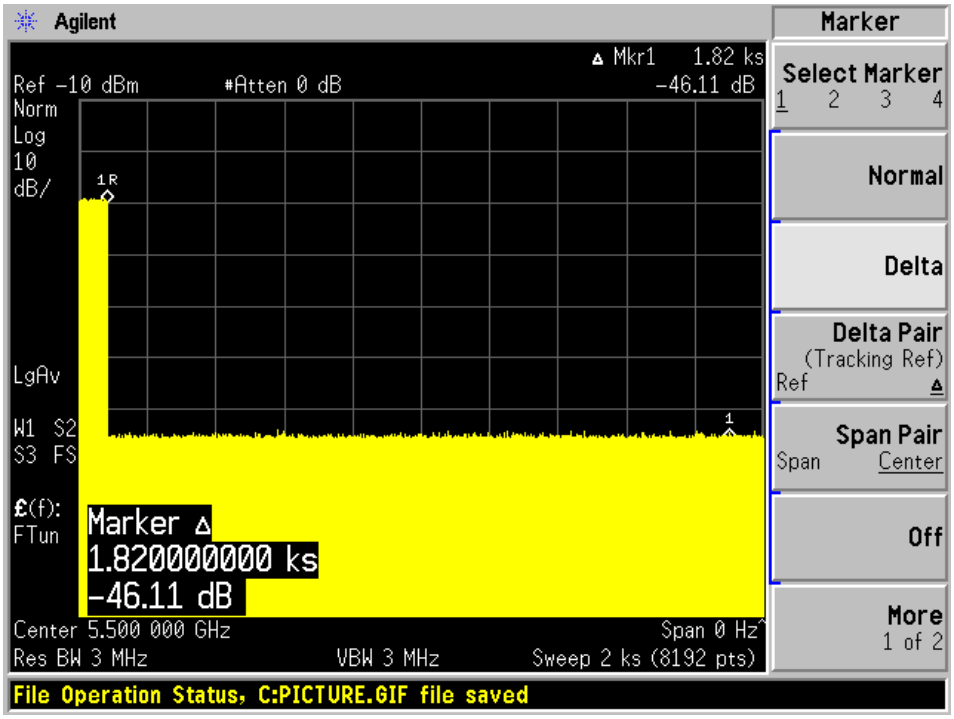
Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5570	160	No transmission within 30 minutes

Note: 5500 MHz was the primary channel that contains control signal. Therefore, 5500 MHz was monitored during the test.
Please refer to the following plots.

AP Mode

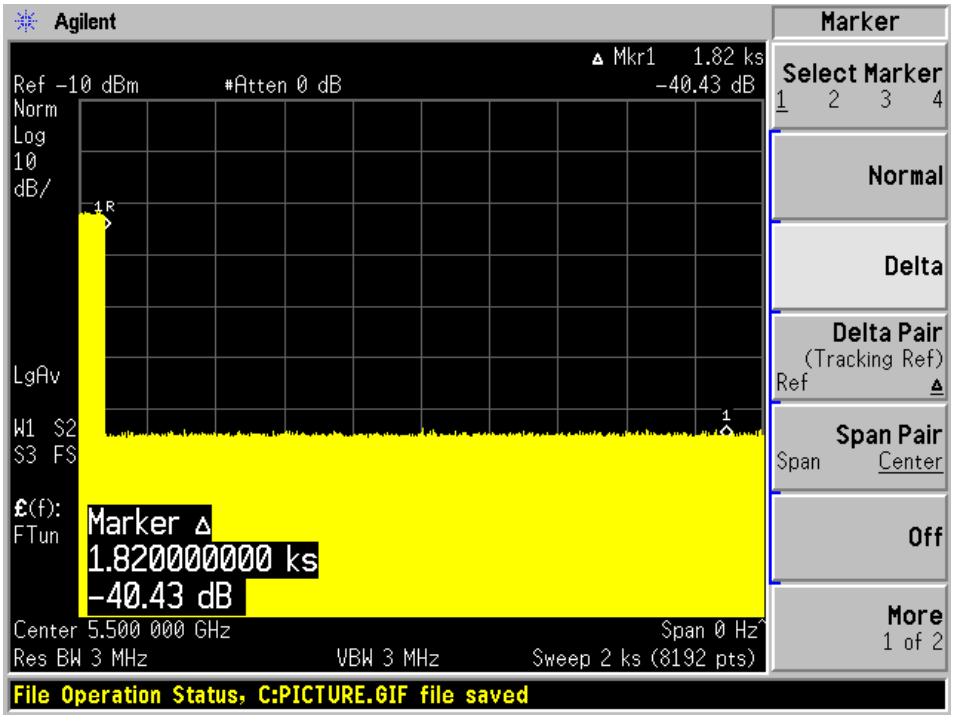
Cobalt Radio

5530 MHz, Bandwidth 80 MHz



Pine Radio

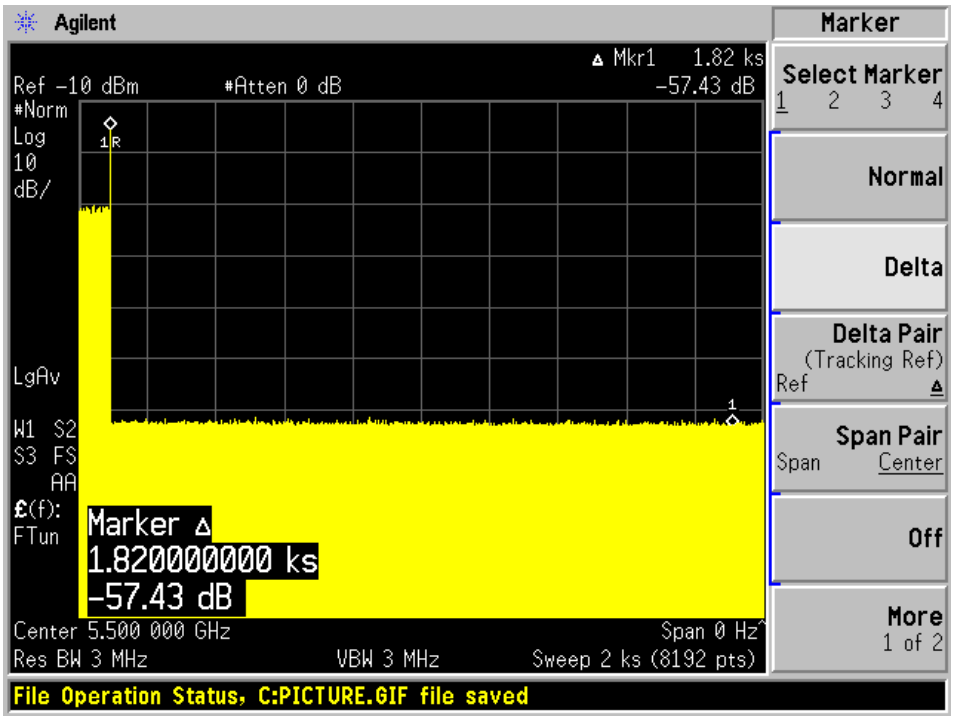
5570 MHz, Bandwidth 160 MHz



P2P Mode

Pine Radio

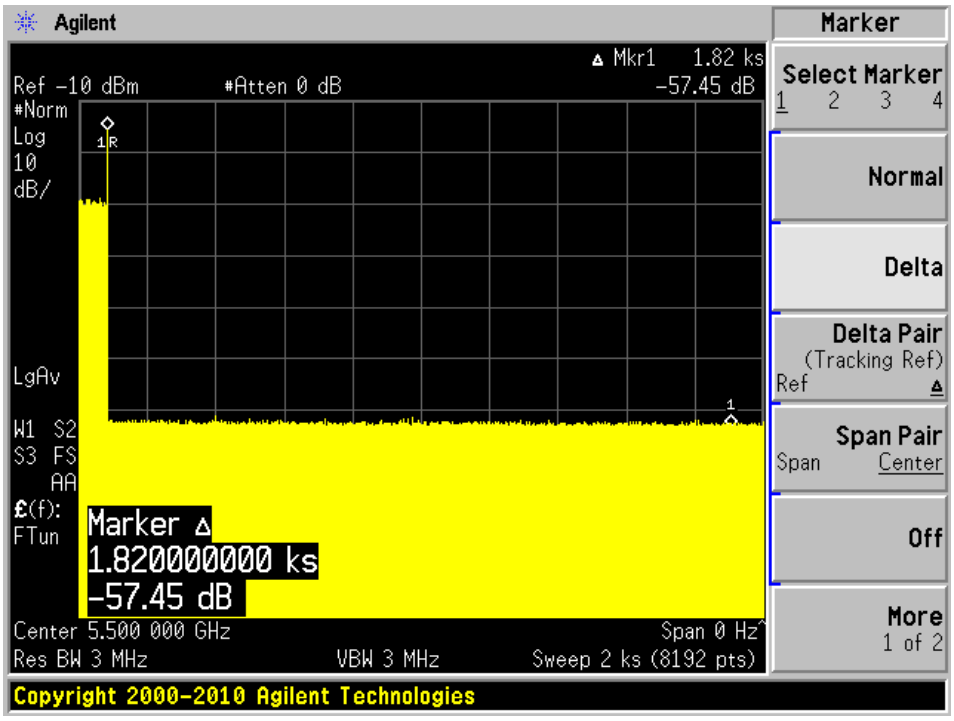
5570 MHz, Bandwidth 160 MHz



P2MP Mode

Pine Radio

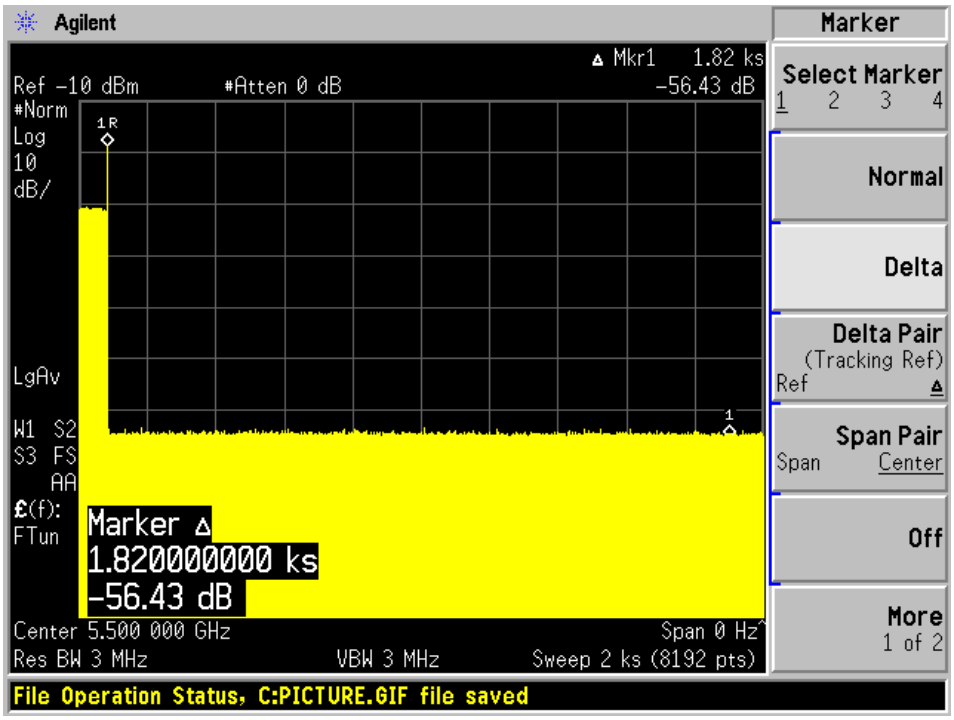
5570 MHz, Bandwidth 160 MHz



Client Mode Injection at Client

Pine Radio

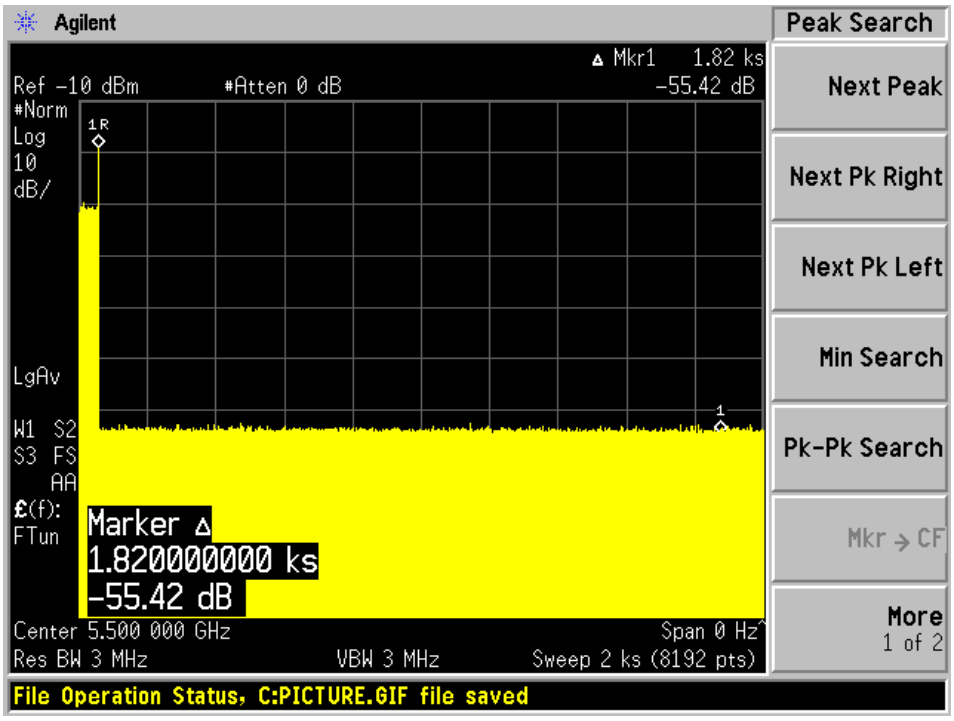
5570 MHz, Bandwidth 160 MHz



Client Mode Injection at Master

Pine Radio

5570 MHz, Bandwidth 160 MHz



9 Radar Detection Bandwidth & Radar Detection Performance Check

9.1 Detection Bandwidth

Procedure:

Performed with any one of the short pulse radar waveforms type 0

Starting at the center frequency of the UUT operating Channel, increase the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in Table 4. Repeat this measurement in 1 MHz steps at frequencies 5 MHz below where the detection rate begins to fall. Record the highest frequency (denote as FH) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies above FH is not required to demonstrate compliance.

Starting at the center frequency of the UUT operating Channel, decrease the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in Table 4. Repeat this measurement in 1 MHz steps at frequencies 5 MHz above where the detection rate begins to fall. Record the lowest frequency (denote as FL) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies below FL is not required to demonstrate compliance.

The U-NII Detection Bandwidth is calculated as follows: U-NII Detection Bandwidth = FH – FL

Test Results

AP, P2P, P2MP, and Client Mode

Cobalt Radio

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5500	5490	5510	20	100%	Compliant
5510	5490	5530	40	100%	Compliant
5530	5490	5570	80	100%	Compliant

Pine Radio

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5500	5490	5510	20	100%	Compliant
5510	5490	5530	40	100%	Compliant
5530	5490	5570	80	100%	Compliant
5570	5490	5650	160	100%	Compliant

Results of Detection Bandwidth:

AP Mode
Cobalt Radio

EUT Frequency = 5500 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5510-5490=20 MHz											
EUT 99% OBW = 17.72 MHz; x 100% = 17.72 MHz **Result:** Pass											

EUT Frequency = 5510 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5530-5490=40 MHz											
EUT 99% OBW =36.46 MHz; x 100% =36.46 MHz **Result:** Pass											

EUT Frequency = 5530 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW =75.89 MHz; x 100% =75.89 MHz **Result:** Pass											

Pine Radio

EUT Frequency = 5500 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5510-5490=20 MHz											
EUT 99% OBW =17.78 MHz; x 100% =17.78 MHz **Result:** Pass											

EUT Frequency = 5510 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5530-5490=40 MHz											
EUT 99% OBW =35.54 MHz; x 100% =35.54 MHz **Result:** Pass											

EUT Frequency = 5530 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5570-5490=80 MHz											
EUT 99% OBW =74.67 MHz; x 100% =74.67 MHz **Result:** Pass											

EUT Frequency = 5570 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5575	1	1	1	1	1	1	1	1	1	1	100 %
5580	1	1	1	1	1	1	1	1	1	1	100 %
5585	1	1	1	1	1	1	1	1	1	1	100 %
5590	1	1	1	1	1	1	1	1	1	1	100 %
5595	1	1	1	1	1	1	1	1	1	1	100 %
5600	1	1	1	1	1	1	1	1	1	1	100 %
5605	1	1	1	1	1	1	1	1	1	1	100 %
5610	1	1	1	1	1	1	1	1	1	1	100 %
5615	1	1	1	1	1	1	1	1	1	1	100 %
5620	1	1	1	1	1	1	1	1	1	1	100 %
5625	1	1	1	1	1	1	1	1	1	1	100 %
5630	1	1	1	1	1	1	1	1	1	1	100 %
5635	1	1	1	1	1	1	1	1	1	1	100 %
5640	1	1	1	1	1	1	1	1	1	1	100 %
5645	1	1	1	1	1	1	1	1	1	1	100 %
5650(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5650-5490=160 MHz											
EUT 99% OBW = 152.59 MHz; x 100% = 152.59 MHz **Result:** Pass											

Results of Detection Bandwidth:

P2P Mode
Pine Radio

EUT Frequency = 5570 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5575	1	1	1	1	1	1	1	1	1	1	100 %
5580	1	1	1	1	1	1	1	1	1	1	100 %
5585	1	1	1	1	1	1	1	1	1	1	100 %
5590	1	1	1	1	1	1	1	1	1	1	100 %
5595	1	1	1	1	1	1	1	1	1	1	100 %
5600	1	1	1	1	1	1	1	1	1	1	100 %
5605	1	1	1	1	1	1	1	1	1	1	100 %
5610	1	1	1	1	1	1	1	1	1	1	100 %
5615	1	1	1	1	1	1	1	1	1	1	100 %
5620	1	1	1	1	1	1	1	1	1	1	100 %
5625	1	1	1	1	1	1	1	1	1	1	100 %
5630	1	1	1	1	1	1	1	1	1	1	100 %
5635	1	1	1	1	1	1	1	1	1	1	100 %
5640	1	1	1	1	1	1	1	1	1	1	100 %
5645	1	1	1	1	1	1	1	1	1	1	100 %
5650(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5650-5490=160 MHz											
EUT 99% OBW = 156.4 MHz; x 100% = 156.4 MHz **Result:** Pass											

P2MP Mode
Pine Radio

EUT Frequency = 5570 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5575	1	1	1	1	1	1	1	1	1	1	100 %
5580	1	1	1	1	1	1	1	1	1	1	100 %
5585	1	1	1	1	1	1	1	1	1	1	100 %
5590	1	1	1	1	1	1	1	1	1	1	100 %
5595	1	1	1	1	1	1	1	1	1	1	100 %
5600	1	1	1	1	1	1	1	1	1	1	100 %
5605	1	1	1	1	1	1	1	1	1	1	100 %
5610	1	1	1	1	1	1	1	1	1	1	100 %
5615	1	1	1	1	1	1	1	1	1	1	100 %
5620	1	1	1	1	1	1	1	1	1	1	100 %
5625	1	1	1	1	1	1	1	1	1	1	100 %
5630	1	1	1	1	1	1	1	1	1	1	100 %
5635	1	1	1	1	1	1	1	1	1	1	100 %
5640	1	1	1	1	1	1	1	1	1	1	100 %
5645	1	1	1	1	1	1	1	1	1	1	100 %
5650(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5650-5490=160 MHz											
EUT 99% OBW = 157.2 MHz; x 100% = 157.2 MHz **Result:** Pass											

Client Mode
Pine Radio

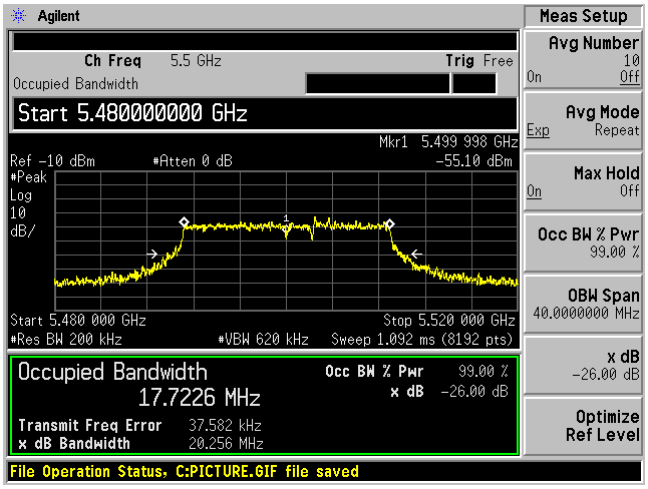
EUT Frequency = 5570 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_C)	1	1	1	1	1	1	1	1	1	1	100 %
5575	1	1	1	1	1	1	1	1	1	1	100 %
5580	1	1	1	1	1	1	1	1	1	1	100 %
5585	1	1	1	1	1	1	1	1	1	1	100 %
5590	1	1	1	1	1	1	1	1	1	1	100 %
5595	1	1	1	1	1	1	1	1	1	1	100 %
5600	1	1	1	1	1	1	1	1	1	1	100 %
5605	1	1	1	1	1	1	1	1	1	1	100 %
5610	1	1	1	1	1	1	1	1	1	1	100 %
5615	1	1	1	1	1	1	1	1	1	1	100 %
5620	1	1	1	1	1	1	1	1	1	1	100 %
5625	1	1	1	1	1	1	1	1	1	1	100 %
5630	1	1	1	1	1	1	1	1	1	1	100 %
5635	1	1	1	1	1	1	1	1	1	1	100 %
5640	1	1	1	1	1	1	1	1	1	1	100 %
5645	1	1	1	1	1	1	1	1	1	1	100 %
5650(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$=5650-5490=160 MHz											
EUT 99% OBW = 155.8 MHz; x 100% = 155.8 MHz **Result:** Pass											

OBW Measurement

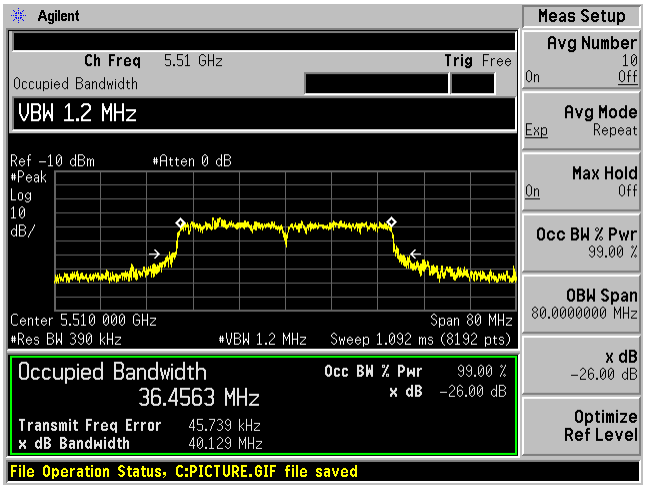
AP Mode

Cobalt Radio

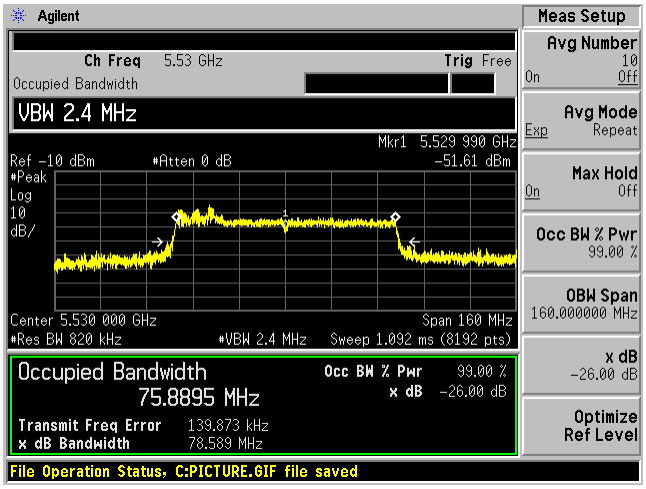
20 MHz



40 MHz

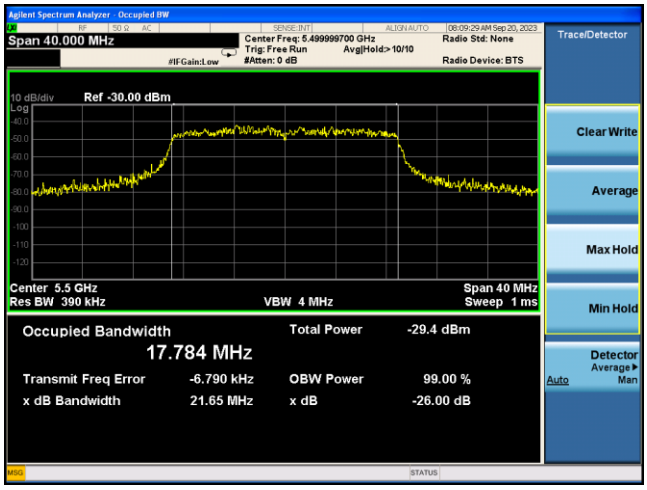


80 MHz

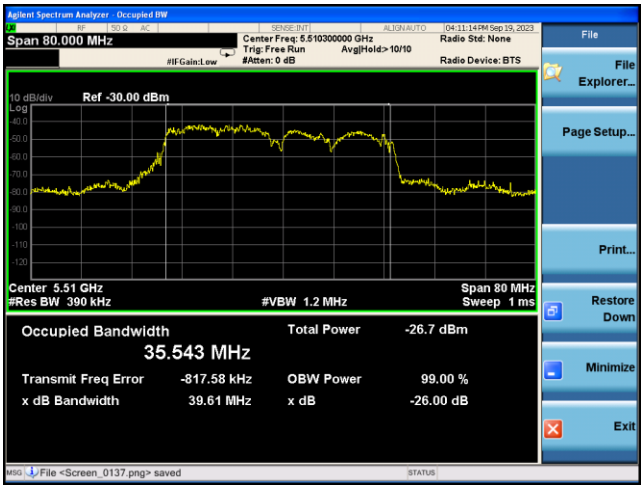


Pine Radio

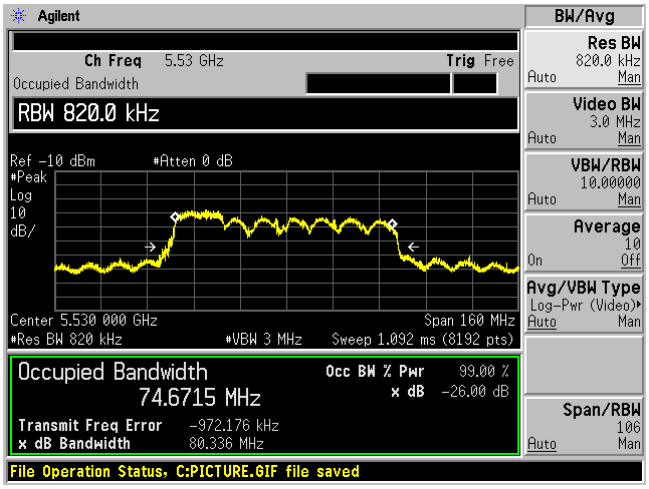
20 MHz



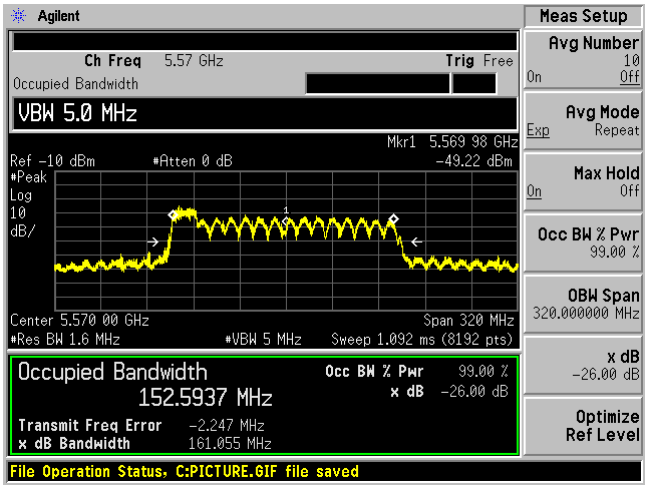
40 MHz



80 MHz



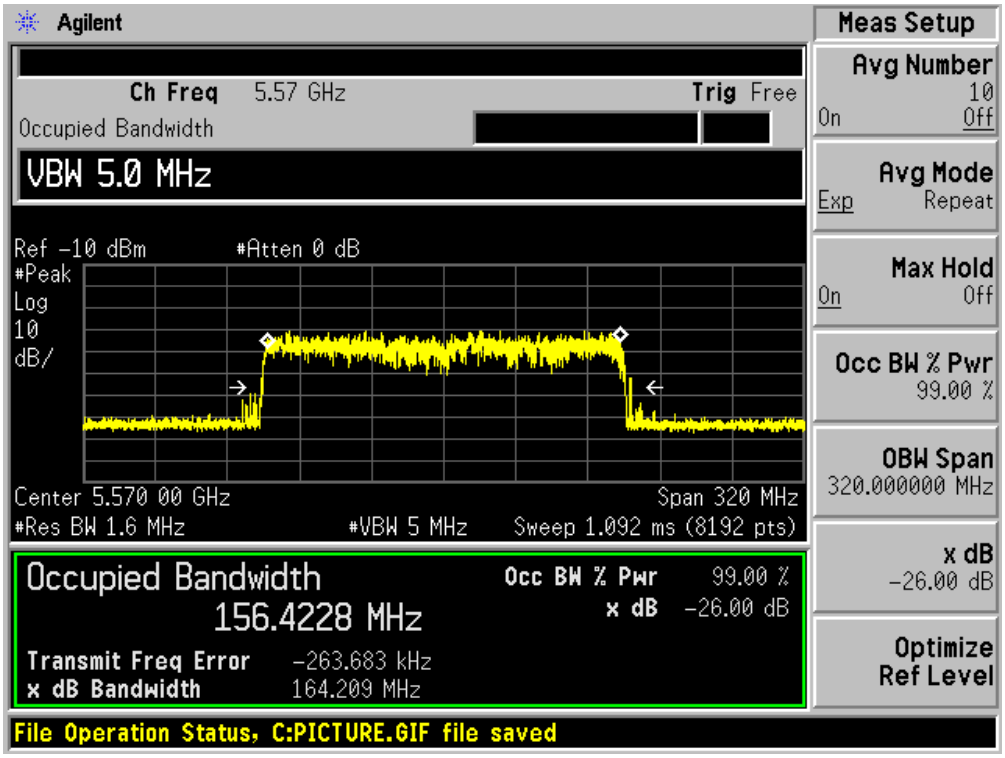
160 MHz



P2P Mode

Pine Radio

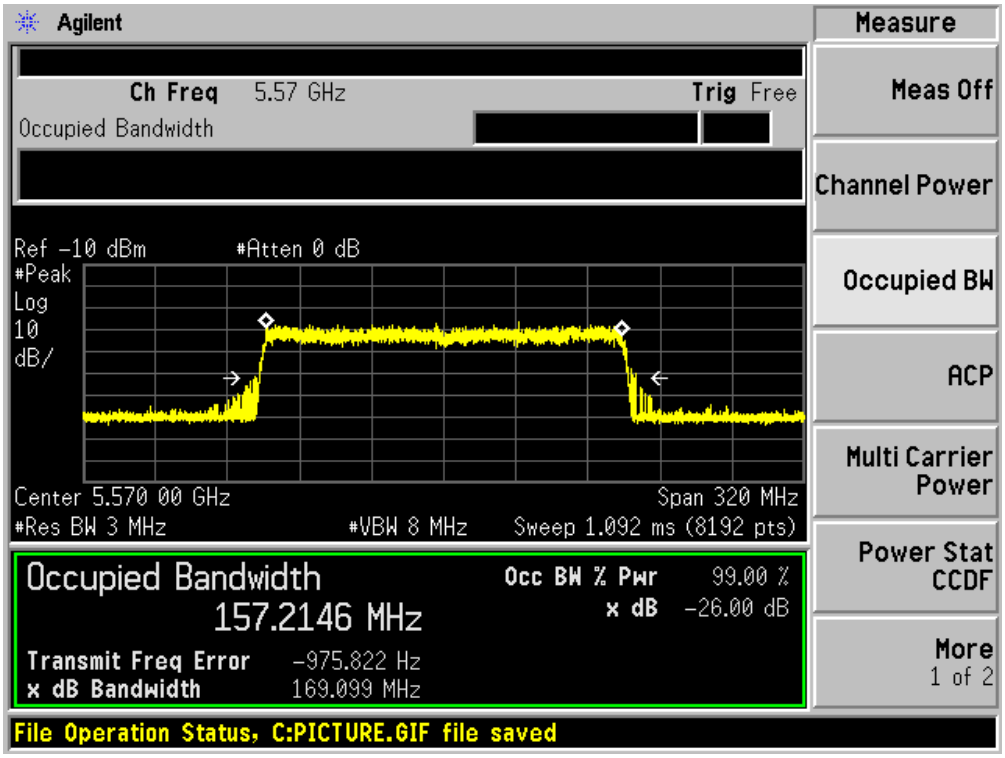
160 MHz



P2MP Mode

Pine Radio

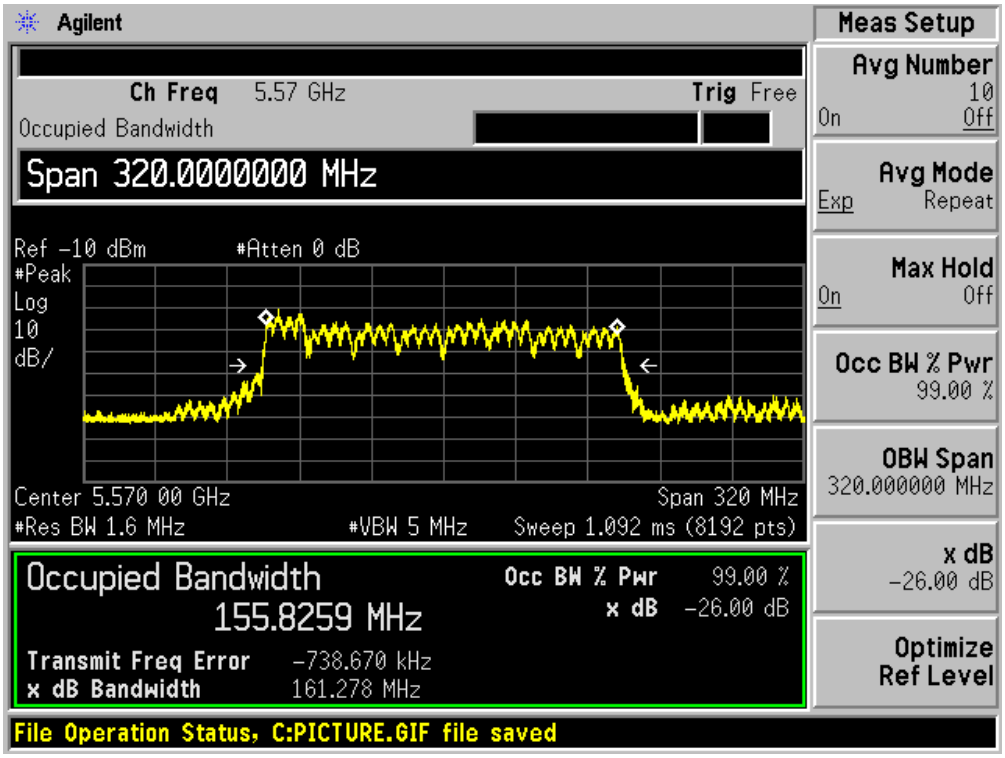
160 MHz



Client Mode

Pine Radio

160 MHz



9.2 Radar Detection Performance Check

Procedure:

Start iperf traffic from master device to client device.
Generate radar waveform
Record whether or not the waveform was detected
At least 30 trials are applied for each radar type
For radar types with randomized parameters, each trial uses a unique waveform
Perform with each of the radar types 1-6

Confirm that the detection rate for each radar type meets the minimum requirement
Type 1A&1B, 2, 3, 4: 60% each
Type 5: 80%
Type 6: 70%
Confirm that the mean of the rates for radar types 1 through 4 meets the requirement of 80%

$$\text{Detection Ratio} = \frac{\text{Total Waveform Detections}}{\text{Total Waveform Trials}} \times 100$$

Test Results:

AP Mode

Cobalt Radio

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	93.3 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	90.0 %	60%	Pass
Aggregate (Type1 to 4)	120	91.7 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	96.7 %	70%	Pass

Table-1A/1B Radar Type 1A/1B Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	99	1.0	538	1
2	68	1.0	778	1
3	92	1.0	578	1
4	57	1.0	938	1
5	67	1.0	798	0
6	74	1.0	718	1
7	86	1.0	618	1
8	70	1.0	758	1
9	78	1.0	678	1
10	59	1.0	898	1
11	61	1.0	878	1
12	76	1.0	698	1
13	83	1.0	638	1
14	81	1.0	658	1
15	72	1.0	738	1
16	19	1.0	2831	1
17	21	1.0	2592	1
18	24	1.0	2200	1
19	24	1.0	2203	1
20	101	1.0	523	1
21	91	1.0	585	1
22	42	1.0	1269	1
23	19	1.0	2868	1
24	63	1.0	844	1
25	54	1.0	983	1
26	34	1.0	1596	1
27	31	1.0	1741	1
28	37	1.0	1464	1
29	18	1.0	3047	1
30	19	1.0	2873	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	28	1.6	155	1
2	28	2.5	177	1
3	27	4.8	223	1
4	28	4.7	168	1
5	26	2.6	161	1
6	28	2.7	176	1
7	27	3.8	150	1
8	26	1.2	214	1
9	29	4.7	215	1
10	29	3.3	195	0
11	29	2.2	197	1
12	24	1.1	172	1
13	29	3.5	221	1
14	26	4.7	206	0
15	28	2.5	190	1
16	23	1.9	189	1
17	23	4.2	180	1
18	26	2.9	222	1
19	28	4	198	1
20	28	3.5	204	1
21	23	2.2	154	1
22	25	1.5	192	1
23	29	2.3	228	1
24	27	1.6	187	1
25	26	1.9	201	1
26	27	3.4	227	1
27	26	2.1	212	1
28	27	1.3	159	1
29	29	2.4	208	1
30	26	4.8	184	1
Detection Percentage: 93.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	6.5	397	1
2	16	6.7	246	1
3	17	6.3	303	0
4	18	7.2	379	1
5	17	6.9	424	1
6	17	8.8	466	1
7	17	9.6	210	1
8	18	7.5	450	1
9	16	7	335	0
10	17	7.9	233	1
11	16	9.4	478	1
12	16	9.7	216	1
13	16	8.9	448	1
14	18	7.6	344	1
15	18	9.5	395	1
16	17	9.5	447	1
17	16	7.4	345	1
18	17	8	336	0
19	18	8.6	475	1
20	18	8.9	470	1
21	18	8.4	214	1
22	16	6.4	465	1
23	16	8.1	328	1
24	17	8.4	282	1
25	18	7.4	286	1
26	16	7.1	493	0
27	18	7.9	458	1
28	16	9.7	474	1
29	18	7.3	281	1
30	18	6.9	417	1
Detection Percentage: 86.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	13	11.4	495	1
2	12	11.3	332	1
3	14	15.5	255	1
4	15	12.6	318	1
5	15	16.9	294	1
6	14	14.9	375	0
7	13	15.4	271	0
8	16	17.3	468	1
9	12	18.4	397	1
10	15	11.6	487	1
11	12	15.4	498	0
12	13	16.1	471	1
13	13	17.6	296	1
14	16	14.8	329	1
15	15	17.9	448	1
16	15	11.3	260	1
17	13	12.6	378	1
18	15	17.5	426	1
19	15	11.4	391	1
20	15	11.1	409	1
21	16	14.2	222	1
22	12	18.4	384	1
23	12	11.1	322	1
24	13	19.1	401	1
25	15	15.2	359	1
26	12	16.5	383	1
27	15	12.9	273	1
28	13	19.1	452	1
29	16	15.8	347	1
30	16	16.1	360	1
Detection Percentage: 90.0 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500.0	1
2	5500.0	1
3	5500.0	1
4	5500.0	1
5	5500.0	1
6	5500.0	1
7	5500.0	1
8	5500.0	1
9	5500.0	1
10	5500.0	1
11	5496.0	1
12	5499.0	1
13	5497.0	1
14	5495.0	1
15	5493.0	1
16	5495.0	1
17	5499.0	1
18	5497.0	1
19	5497.0	1
20	5498.0	1
21	5504.0	1
22	5506.0	1
23	5507.0	1
24	5506.0	1
25	5501.0	1
26	5503.0	1
27	5504.0	1
28	5505.0	1
29	5506.0	1
30	5507.0	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	486117	60.8	17	1	1816	-	-	1
1	750391	80	17	1	1620	-	-	
2	1013547	58	17	2	1268	1459	-	
3	189056	62.8	17	3	1061	1100	1871	
4	452841	87.2	17	2	2000	1593	-	
5	716590	70.8	17	2	1760	1772	-	
6	980465	85.9	17	2	1691	1672	-	
7	156551	85.3	17	3	1168	1192	1920	
8	421069	64.1	17	1	1754	-	-	
9	684961	72.1	17	2	1172	1000	-	
10	949504	52.4	17	1	1610	-	-	

Bin5 Statistics 2

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	152046	97	11	1	1881	-	-	1
1	475205	87.2	11	1	1209	-	-	
2	796735	62.4	11	3	1208	1059	1531	
3	1119282	53	11	3	1344	1322	1022	
4	112177	74.9	11	2	1139	1838	-	
5	435382	57.1	11	1	1289	-	-	
6	757671	93.8	11	2	1342	1307	-	
7	1078676	64.8	11	3	1679	1230	1868	
8	72373	93	11	3	1108	1206	1768	

Bin5 Statistics 3

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	252877	84.4	11	3	1957	1692	1995	1
1	461649	78.3	11	1	1461	-	-	
2	668941	82.2	11	1	1765	-	-	
3	21006	96.8	11	2	1118	1170	-	
4	227903	63.5	11	3	1497	1119	1291	
5	436280	53.8	11	1	1080	-	-	
6	641740	57.8	11	3	1406	1437	1112	
7	851000	81.5	11	1	1607	-	-	
8	202339	71.1	11	3	1345	1412	1462	
9	408979	95.1	11	3	1181	1719	1780	
10	616969	65.3	11	2	1849	1113	-	
11	822254	69.5	11	3	1757	1471	1683	
12	176769	76.1	11	3	1384	1940	1326	
13	384802	96.7	11	1	1812	-	-	

Bin5 Statistics 4

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	458668	79	8	3	1548	1659	1045	1
1	619682	67.7	8	3	1171	1001	1698	
2	117476	85.2	8	3	1943	1361	1456	
3	279174	71	8	1	1986	-	-	
4	439878	70.1	8	2	1312	1432	-	
5	600614	59	8	2	1105	1955	-	
6	98170	94.7	8	1	1587	-	-	
7	258119	60.7	8	3	1878	1901	1278	
8	419678	68.3	8	3	1049	1177	1096	
9	580983	90.3	8	2	1133	1706	-	
10	78214	77.6	8	2	1294	1039	-	
11	238468	67.9	8	3	1504	1967	1270	
12	399478	75.1	8	3	1860	1031	1067	
13	560552	83.1	8	2	1689	1859	-	
14	58399	57.9	8	1	1969	-	-	
15	219155	55.3	8	2	1521	1822	-	
16	380401	54.5	8	2	1123	1577	-	
17	542114	57	8	1	1865	-	-	

Bin5 Statistics 5

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	43306	65.3	7	2	1803	1325	-	1
1	224047	92.9	7	3	1366	1431	1661	
2	405554	67.6	7	2	1315	1872	-	
3	588269	82.6	7	1	1164	-	-	
4	20978	97.9	7	3	1523	1121	1075	
5	202640	61.2	7	1	1259	-	-	
6	382461	99.3	7	3	1550	1404	1759	
7	564380	83.4	7	2	1575	1598	-	
8	745881	62.9	7	2	1528	1272	-	
9	180324	54.4	7	1	1042	-	-	
10	361591	64.2	7	1	1827	-	-	
11	543409	69.1	7	1	1327	-	-	
12	725144	56.8	7	1	1163	-	-	
13	157849	83	7	1	1519	-	-	
14	339094	70.9	7	2	1128	1019	-	
15	520754	90.5	7	1	1742	-	-	

Bin5 Statistics 6

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	862288	83.5	15	3	1633	1458	1179	1
1	166339	85.3	15	3	1602	1233	1332	
2	389138	89.7	15	3	1381	1845	1095	
3	613939	86.2	15	1	1359	-	-	
4	837504	73.6	15	1	1337	-	-	
5	139302	55.8	15	1	1423	-	-	
6	362285	98.3	15	2	1199	1614	-	
7	584354	73.6	15	3	1453	1562	1565	
8	808497	59.9	15	2	1764	1247	-	
9	111374	91.9	15	3	1527	1302	1846	
10	334068	69.1	15	3	1761	1753	1292	
11	558756	95.6	15	1	1543	-	-	
12	781276	78.7	15	2	1165	1533	-	

Bin5 Statistics 7

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	91276	74.7	6	1	1296	-	-	1
1	333464	73.5	6	1	1383	-	-	
2	574873	65.8	6	2	1065	1684	-	
3	816452	90.5	6	2	1929	1169	-	
4	61367	58.2	6	2	1476	1026	-	
5	303148	54.1	6	2	1218	1755	-	
6	545675	83.2	6	1	1662	-	-	
7	786410	79	6	2	1938	1490	-	
8	31487	96.5	6	3	1157	1966	1907	
9	272787	69.9	6	3	1930	1712	1430	
10	514426	74	6	3	1211	1654	1553	
11	758186	71.7	6	1	1389	-	-	

Bin5 Statistics 8

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1061	86.7	11	1	1573	-	-	1
1	145308	96.1	11	3	1883	1891	1443	
2	291398	90.3	11	1	1445	-	-	
3	434028	96.6	11	3	1572	1828	1525	
4	579322	99.3	11	2	1994	1933	-	
5	128330	83.5	11	1	1526	-	-	
6	273540	94.7	11	1	1393	-	-	
7	418934	97.1	11	1	1089	-	-	
8	562131	84.6	11	2	1991	1282	-	
9	110194	99.7	11	2	1025	1895	-	
10	254971	72.7	11	2	1922	1076	-	
11	400165	65.6	11	2	1263	1135	-	
12	545849	68.3	11	1	1579	-	-	
13	92613	83.4	11	1	1260	-	-	
14	237690	59.5	11	1	1605	-	-	
15	382670	94.7	11	1	1839	-	-	
16	526036	94	11	2	1917	1856	-	
17	74265	72.6	11	3	1030	1970	1961	
18	219905	55.9	11	1	1356	-	-	
19	365136	92.1	11	1	1288	-	-	

Bin5 Statistics 9

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1132102	53.6	14	3	1840	1585	1775	1
1	126203	54.6	14	3	1090	1465	1363	
2	449517	88.3	14	1	1286	-	-	
3	770648	80.9	14	3	1641	1657	1319	
4	1093842	98.4	14	2	1594	1882	-	
5	86446	78.6	14	3	1182	1913	1469	
6	408927	98.6	14	3	1750	1007	1117	
7	730669	78.8	14	3	1438	1709	1988	
8	1054742	87.8	14	2	1012	1671	-	

Bin5 Statistics 10

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	26212	61.4	13	3	1215	1965	1813	1
1	207909	87	13	1	1358	-	-	
2	389399	65.3	13	1	1509	-	-	
3	570875	65.7	13	1	1584	-	-	
4	3972	64.5	13	1	1805	-	-	
5	185456	87	13	1	1710	-	-	
6	366938	59.8	13	1	1715	-	-	
7	548726	57.9	13	1	1298	-	-	
8	730383	77.1	13	1	1223	-	-	
9	162467	60.7	13	3	1546	1874	1201	
10	344080	58.4	13	2	1773	1035	-	
11	524187	74.5	13	3	1927	1150	1310	
12	704181	98.6	13	3	1492	1861	1923	
13	140724	94.2	13	1	1833	-	-	
14	320794	75.1	13	3	1721	1590	1736	
15	501762	50.7	13	3	1357	1452	1802	

Bin5 Statistics 11

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1369308	50.1	13	3	1203	1576	1830	1
1	237090	72.2	13	1	1487	-	-	
2	600636	74.8	13	1	1214	-	-	
3	964056	94.7	13	1	1343	-	-	
4	1324034	88.6	13	3	1675	1786	1826	
5	192313	85.1	13	1	1566	-	-	
6	555767	73.9	13	1	1468	-	-	
7	917331	64	13	3	1653	1129	1746	

Bin5 Statistics 12

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	930986	81.9	19	2	1908	1321	-	1
1	107266	68	19	1	1564	-	-	
2	371424	82.1	19	1	1690	-	-	
3	634909	57.8	19	2	1673	1191	-	
4	899632	59.3	19	1	1850	-	-	
5	74713	98.2	19	1	1701	-	-	
6	338547	70.6	19	2	1257	1516	-	
7	602456	85	19	2	1751	1020	-	
8	867739	65.8	19	1	1044	-	-	
9	42113	59.2	19	2	1716	1559	-	
10	305529	73.1	19	3	1524	1814	1252	

Bin5 Statistics 13

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	522812	62.6	14	1	1854	-	-	1
1	764259	57.4	14	2	1202	1480	-	
2	8822	100	14	2	1348	1300	-	
3	251088	53.8	14	1	1148	-	-	
4	492232	96.5	14	3	1024	1228	1142	
5	733912	99.8	14	3	1053	1323	1056	
6	977609	86.7	14	1	1391	-	-	
7	220742	66.9	14	2	1670	1762	-	
8	462066	61.8	14	3	1176	1779	1285	
9	703588	97.6	14	3	1503	1703	1008	
10	947413	67.6	14	1	1774	-	-	
11	190936	55	14	3	1077	1017	1522	

Bin5 Statistics 14

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	258385	60.5	10	3	1911	1382	1570	1
1	404183	63.1	10	2	1494	1213	-	
2	550528	80.2	10	1	1094	-	-	
3	96164	98.3	10	3	1993	1626	1875	
4	240815	56.4	10	3	1457	1193	1695	
5	386030	73.7	10	2	1631	1555	-	
6	529729	84.2	10	3	1537	1793	1033	
7	78495	99.3	10	3	1529	1542	1725	
8	223773	76.4	10	2	1052	1283	-	
9	369436	63.1	10	1	1183	-	-	
10	513774	51.2	10	2	1006	1217	-	
11	60901	83.8	10	2	1668	1299	-	
12	205360	96.5	10	3	1242	1608	1103	
13	351181	54.9	10	1	1806	-	-	
14	494218	51.9	10	3	1581	1388	1301	
15	42952	98.7	10	3	1238	1507	1783	
16	187351	78.9	10	3	1041	1745	1811	
17	333553	90.1	10	1	1371	-	-	
18	476026	73.4	10	3	1941	1820	1002	
19	25224	58.7	10	2	1646	1440	-	

Bin5 Statistics 15

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	212816	89.3	6	2	1131	1591	-	1
1	394097	71	6	2	1355	1287	-	
2	574985	62.4	6	2	1396	1726	-	
3	9249	93.4	6	2	1140	1897	-	
4	190466	50.2	6	2	1678	1143	-	
5	371160	68.3	6	3	1072	1297	1499	
6	553878	78.4	6	1	1493	-	-	
7	734951	95	6	1	1964	-	-	
8	167917	51.8	6	3	1141	1506	1188	
9	348807	68.1	6	3	1369	1152	1481	
10	531330	62	6	1	1756	-	-	
11	710053	66.5	6	3	1235	1727	1680	
12	146091	64.3	6	1	1448	-	-	
13	327227	62.9	6	2	1009	1380	-	
14	509309	71.5	6	1	1267	-	-	
15	690943	94.7	6	1	1222	-	-	

Bin5 Statistics 16

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	123115	79.2	9	3	1896	1728	1538	1
1	304773	100	9	2	1574	1109	-	
2	484921	64.2	9	3	1981	1346	1047	
3	668158	61.2	9	1	1687	-	-	
4	101149	81.6	9	2	1166	1889	-	
5	281569	60	9	3	1962	1403	1640	
6	464536	96.7	9	1	1328	-	-	
7	646311	99.6	9	1	1098	-	-	
8	79021	56.1	9	1	1284	-	-	
9	260442	66.1	9	1	1763	-	-	
10	442077	57.3	9	1	1484	-	-	
11	620878	91.5	9	3	1837	1377	1557	
12	56647	97.8	9	1	1379	-	-	
13	238189	88	9	1	1447	-	-	
14	418669	88.1	9	2	1797	1554	-	
15	599748	71.7	9	2	1799	1561	-	

Bin5 Statistics 17

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	49700	74.1	19	3	1885	1741	1979	1
1	313266	58.8	19	3	1743	1145	1517	
2	577496	65.7	19	2	1842	1210	-	
3	840976	89.5	19	2	1729	1789	-	
4	17287	50.6	19	3	1818	1852	1314	
5	280661	86.9	19	3	1611	1919	1442	
6	545106	98	19	2	1352	1483	-	
7	807065	88.1	19	3	1782	1810	1843	
8	1073911	95.4	19	1	1800	-	-	
9	248692	89.2	19	2	1505	1400	-	
10	513243	97.4	19	1	1470	-	-	

Bin5 Statistics 18

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	568139	58.3	16	3	1724	1018	1144	1
1	760148	51	16	3	1318	1738	1952	
2	158202	84.8	16	2	1968	1857	-	
3	352262	69.4	16	1	1642	-	-	
4	544961	83.6	16	2	1376	1624	-	
5	737641	83.4	16	3	1622	1013	1032	
6	134643	57.3	16	2	1173	1313	-	
7	328575	69.5	16	1	1245	-	-	
8	520781	78.9	16	2	1628	1937	-	
9	714312	75.9	16	2	1540	1613	-	
10	110837	62.2	16	2	1070	1273	-	
11	304564	77.1	16	1	1635	-	-	
12	497425	79.3	16	2	1236	1629	-	
13	692334	74.4	16	1	1043	-	-	
14	87151	62.9	16	1	1027	-	-	

Bin5 Statistics 19

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	247128	87.2	14	2	1551	1485	-	1
1	418757	84.2	14	1	1073	-	-	
2	588280	61	14	2	1058	1707	-	
3	55692	86.9	14	2	1241	1501	-	
4	226749	97.3	14	1	1115	-	-	
5	396404	63.8	14	2	1718	1655	-	
6	568568	80.1	14	1	1162	-	-	
7	34629	90.4	14	3	1184	1304	1409	
8	205604	92.5	14	1	1427	-	-	
9	375689	55.4	14	2	1401	1463	-	
10	545143	97.2	14	3	1488	1071	1656	
11	13650	82.1	14	3	1064	1902	1317	
12	184514	94	14	1	1597	-	-	
13	355132	92.3	14	1	1980	-	-	
14	526386	52	14	1	1264	-	-	
15	694824	76.2	14	3	1088	1189	1467	
16	163392	65.9	14	1	1949	-	-	

Bin5 Statistics 20

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	334303	92.5	18	1	1560	-	-	1
1	503595	62.7	18	3	1571	1010	1110	
2	673814	88.4	18	2	1978	1801	-	
3	142078	98.5	18	2	1960	1399	-	
4	312589	71.4	18	2	1097	1977	-	
5	484010	96.7	18	1	1665	-	-	
6	652499	73.8	18	3	1515	1514	1116	
7	121425	58.1	18	1	1416	-	-	
8	291728	90.5	18	2	1207	1541	-	
9	462802	68.5	18	1	1924	-	-	
10	633561	59.1	18	1	1894	-	-	
11	100312	95.9	18	1	1892	-	-	
12	271390	61.9	18	1	1014	-	-	
13	441146	81.8	18	2	1770	1151	-	
14	610104	86.5	18	3	1589	1309	1784	
15	79365	65.1	18	1	1147	-	-	
16	249802	87.8	18	2	1086	1420	-	

Bin5 Statistics 21

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	356642	99.8	13	2	1424	1864	-	1
1	503005	63.8	13	1	1334	-	-	
2	49539	77	13	1	1276	-	-	
3	193614	58.4	13	3	1227	1592	1947	
4	339859	92	13	1	1451	-	-	
5	483640	83.5	13	2	1648	1513	-	
6	31587	78.3	13	2	1038	1478	-	
7	176907	60.7	13	1	1124	-	-	
8	321818	92.4	13	1	1747	-	-	
9	465972	64	13	2	1831	1122	-	
10	13739	86.4	13	2	1418	1036	-	
11	158914	51.2	13	1	1508	-	-	
12	303145	63.3	13	2	1351	1972	-	
13	448951	77.2	13	1	1867	-	-	
14	594797	76.9	13	1	1082	-	-	
15	140537	99.7	13	2	1890	1732	-	
16	285324	96.4	13	2	1912	1402	-	
17	431587	84.7	13	1	1167	-	-	
18	573276	66.5	13	3	1197	1858	1794	
19	122562	86	13	3	1221	1734	1435	

Bin5 Statistics 22

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	595634	64.4	7	3	1532	1893	1279	1
1	918178	65.8	7	3	1866	1254	1136	
2	1243457	87.5	7	1	1111	-	-	
3	233820	87.3	7	3	1269	1092	1704	
4	557169	78.7	7	1	1771	-	-	
5	879468	56.8	7	2	1534	1216	-	
6	1202513	95.4	7	2	1069	1308	-	
7	194471	70.9	7	1	1583	-	-	
8	515978	94.5	7	3	1999	1998	1407	

Bin5 Statistics 23

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	754075	80.6	5	3	1817	1364	1942	1
1	1046915	73.7	5	1	1637	-	-	
2	139171	60.7	5	1	1829	-	-	
3	429429	67	5	2	1093	1674	-	
4	719620	56.2	5	2	1558	1500	-	
5	1009336	92.6	5	2	1819	1926	-	
6	103099	88.2	5	3	1769	1385	1886	
7	393728	99.2	5	2	1016	1549	-	
8	683537	57.4	5	2	1905	1723	-	
9	972879	50.4	5	3	1251	2000	1378	

Bin5 Statistics 24

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	56313	79.3	7	1	1606	-	-	1
1	298449	60.1	7	1	1627	-	-	
2	540781	87.7	7	1	1266	-	-	
3	781740	79	7	2	1530	1350	-	
4	26440	82.7	7	3	1023	1234	1107	
5	268555	87.5	7	1	1880	-	-	
6	509837	56.8	7	3	1178	1175	1078	
7	753354	77.2	7	1	1021	-	-	
8	994762	91.3	7	1	1900	-	-	
9	237990	82.3	7	3	1948	1996	1062	
10	479929	96.2	7	2	1909	1804	-	
11	720777	65.6	7	3	1870	1386	1539	

Bin5 Statistics 25

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	642616	97.2	19	1	1971	-	-	1
1	138486	69.9	19	3	1808	1498	1737	
2	299894	79.1	19	2	1333	1623	-	
3	459651	73.3	19	3	1414	1898	1392	
4	620056	83.9	19	3	1950	1114	1791	
5	118814	76.3	19	3	1320	1731	1473	
6	279915	89.8	19	2	1339	1974	-	
7	441062	79.7	19	2	1643	1275	-	
8	602142	85.2	19	2	1362	1446	-	
9	99461	88.2	19	1	1663	-	-	
10	261001	57.3	19	1	1011	-	-	
11	421225	66.2	19	2	1619	1311	-	
12	583415	61.8	19	1	1547	-	-	
13	79626	90.3	19	1	1395	-	-	
14	240206	75.6	19	2	1787	1733	-	
15	401508	84.3	19	2	1502	1244	-	
16	561089	57	19	3	1634	1330	1482	
17	59618	84.7	19	2	1749	1137	-	

Bin5 Statistics 26

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	398450	88.7	16	1	1102	-	-	1
1	689066	50.5	16	1	1370	-	-	
2	979948	88.9	16	1	1154	-	-	
3	71744	84.2	16	2	1807	1277	-	
4	361722	87.3	16	3	1372	1127	1615	
5	652363	75.9	16	2	1792	1220	-	
6	942579	76.8	16	2	1953	1174	-	
7	36031	86.8	16	1	1630	-	-	
8	326098	54.8	16	2	1879	1863	-	
9	616270	99.9	16	2	1992	1667	-	

Bin5 Statistics 27

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	503239	71.9	12	2	1186	1280	-	1
1	128	79.6	12	2	1489	1823	-	
2	160881	54	12	2	1916	1936	-	
3	322010	88.7	12	2	1744	1335	-	
4	483985	98.4	12	1	1658	-	-	
5	645492	65	12	1	1429	-	-	
6	140777	76.5	12	3	1862	1455	1956	
7	302852	90.8	12	1	1616	-	-	
8	463982	87.9	12	1	1853	-	-	
9	622995	83	12	3	1258	1394	1567	
10	121485	58.6	12	2	1180	1545	-	
11	282176	61.9	12	3	1155	1271	1087	
12	444215	59.4	12	1	1713	-	-	
13	605486	77.7	12	1	1714	-	-	
14	101875	65.2	12	1	1253	-	-	
15	263167	91.2	12	1	1486	-	-	
16	422375	52.7	12	3	1918	1196	1693	
17	583505	71.4	12	3	1274	1198	1645	

Bin5 Statistics 28

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	134189	67.2	9	1	1945	-	-	1
1	397982	92.4	9	2	1060	1748	-	
2	661102	61.8	9	3	1028	1434	1625	
3	927204	72.6	9	1	1134	-	-	
4	101697	70.1	9	1	1511	-	-	
5	365105	56.6	9	2	1997	1914	-	
6	629148	93.6	9	2	1951	1248	-	
7	893542	95.7	9	2	1084	1397	-	
8	68997	76.7	9	3	1003	1603	1349	
9	332534	62.9	9	3	1249	1329	1652	
10	597857	82.7	9	1	1004	-	-	

Bin5 Statistics 29

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	523173	53.2	7	3	1906	1778	1636	1
1	22344	96.6	7	1	1735	-	-	
2	182961	97.1	7	3	1374	1303	1410	
3	344260	71.5	7	2	1887	1040	-	
4	504831	89.9	7	3	1255	1158	1048	
5	2472	57.8	7	3	1324	1265	1229	
6	163089	55.5	7	3	1767	1195	1444	
7	324780	84.1	7	2	1159	1054	-	
8	484183	68.7	7	3	1450	1699	1454	
9	647444	67.9	7	1	1841	-	-	
10	143368	96.9	7	3	1666	1204	1243	
11	305416	63.7	7	1	1153	-	-	
12	466533	84.9	7	1	1568	-	-	
13	625756	96.4	7	2	1932	1844	-	
14	124110	74.1	7	1	1240	-	-	
15	285300	76	7	1	1700	-	-	
16	446713	76.8	7	1	1495	-	-	
17	605176	91.1	7	3	1353	1596	1677	

Bin5 Statistics 30

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	98188	61.2	5	3	1231	1518	1982	1
1	251504	69	5	1	1510	-	-	
2	403196	96.2	5	2	1660	1595	-	
3	555174	73.1	5	2	1910	1809	-	
4	79762	55.3	5	2	1132	1224	-	
5	232517	69.5	5	1	1954	-	-	
6	383614	62.4	5	3	1212	1422	1946	
7	535207	88.1	5	3	1975	1475	1685	
8	61025	99.4	5	1	1730	-	-	
9	213325	59.5	5	2	1983	1099	-	
10	364786	97.5	5	3	1449	1601	1697	
11	516446	95.1	5	3	1408	1989	1795	
12	42044	52.7	5	3	1293	1676	1225	
13	194514	88.3	5	2	1781	1413	-	
14	346213	63.6	5	3	1600	1055	1815	
15	500964	58.1	5	1	1126	-	-	
16	23340	84.6	5	2	1904	1261	-	
17	175787	86.5	5	2	1106	1925	-	
18	327443	61.6	5	3	1669	1722	1146	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5500.0	9	1.0	333	1	5490 5560 5499 5660 5371 5348 5641 5465 5610 5581 5327 5355 5420 5480 5494 5486 5260 5265 5300 5378 5334 5586 5697 5551 5671 5611 5489 5293 5422 5702 5441 5570 5679 5337 5634 5579 5677 5332 5652 5536 5471 5487 5446 5668 5629 5266 5308 5319 5434 5283 5406 5321 5624 5359 5425 5462 5402 5519 5535 5701 5708 5510 5466 5393 5682 5632 5405 5280 5373 5276 5669 5366 5666 5467 5290 5439 5503 5469 5386 5268 5278 5302 5568 5440 5384 5299 5470 5598 5350 5335 5525 5672 5408 5376 5559 5508 5515 5683 5542 5330 (number of hits: 4)
2	5500.0	9	1.0	333	1	5357 5450 5723 5664 5278 5597 5449 5373 5684 5274 5515 5634 5594 5543 5341 5614 5451 5367 5577 5492 5353 5259 5696 5356 5620 5656 5345 5429 5615 5471 5539 5435 5609 5689 5528 5595 5419 5319 5394 5488 5271 5628 5629 5486 5439 5598 5267 5447 5638 5704 5650 5677 5591 5602 5514 5348 5576 5714 5391 5444 5599 5270 5483 5560 5460 5330 5372 5630 5362 5445 5382 5320 5339 5547 5452 5264 5369 5261 5623 5516 5258 5643 5569 5257 5522 5430 5366 5527 5275 5297 5711 5416 5276 5359 5476

						5459	5335	5509	5518	5607
						(number of hits: 1)				
3	5500.0	9	1.0	333	1	5612	5689	5659	5350	5595
						5639	5374	5448	5372	5481
						5349	5423	5635	5263	5362
						5702	5578	5470	5525	5684
						5361	5425	5637	5445	5593
						5544	5672	5632	5341	5505
						5581	5324	5566	5429	5680
						5415	5558	5410	5665	5660
						5564	5334	5424	5679	5671
						5427	5721	5287	5703	5467
						5303	5565	5437	5302	5561
						5482	5301	5314	5357	5625
						5456	5308	5294	5394	5418
						5530	5609	5274	5619	5438
						5560	5588	5723	5695	5592
						5636	5304	5624	5461	5582
						5513	5686	5493	5363	5722
						5653	5614	5296	5443	5457
						5370	5524	5557	5641	5465
						5369	5299	5618	5535	5662
						(number of hits: 2)				
4	5500.0	9	1.0	333	1	5392	5453	5595	5511	5340
						5303	5396	5523	5535	5310
						5280	5687	5676	5458	5383
						5693	5608	5573	5570	5401
						5369	5591	5675	5437	5566
						5335	5621	5360	5445	5539
						5720	5688	5644	5454	5613
						5600	5501	5461	5416	5671
						5403	5417	5362	5347	5592
						5503	5407	5426	5723	5281
						5354	5343	5479	5519	5623
						5505	5670	5255	5286	5328
						5721	5315	5317	5379	5351
						5495	5404	5552	5313	5424
						5563	5699	5654	5561	5447
						5605	5616	5692	5294	5375
						5653	5442	5456	5259	5635
						5325	5421	5297	5377	5331
						5471	5306	5656	5252	5649
						5717	5664	5274	5553	5449
						(number of hits: 4)				

5	5500.0	9	1.0	333	1	5550 5692 5531 5672 5657 5345 5321 5501 5698 5517 5589 5573 5717 5653 5404 5306 5260 5579 5615 5593 5377 5660 5616 5526 5539 5473 5563 5549 5287 5674 5480 5384 5606 5433 5264 5689 5257 5569 5585 5500 5300 5587 5432 5290 5509 5334 5619 5694 5655 5570 5712 5423 5352 5383 5684 5597 5580 5299 5375 5262 5440 5680 5297 5318 5292 5393 5572 5296 5355 5385 5507 5663 5664 5675 5516 5401 5590 5586 5327 5716 5357 5259 5556 5395 5319 5545 5575 5496 5477 5340 5441 5666 5648 5647 5532 5552 5582 5413 5530 5418 (number of hits: 4)
6	5500.0	9	1.0	333	1	5330 5456 5467 5261 5402 5387 5343 5576 5289 5724 5520 5362 5283 5373 5425 5394 5682 5563 5310 5288 5351 5557 5518 5512 5489 5325 5669 5653 5607 5329 5340 5502 5380 5253 5403 5305 5625 5344 5499 5556 5583 5713 5352 5683 5264 5270 5592 5364 5290 5506 5473 5356 5621 5326 5721 5296 5571 5638 5312 5399 5504 5645 5272 5718 5519 5716 5429 5404 5566 5536 5554 5493 5666 5513 5651 5475 5424 5636 5567 5331 5606 5304 5354 5454 5459 5712 5282 5447 5633 5426 5318 5395 5661 5580 5277 5323 5632 5545 5414 5655 (number of hits: 5)
7	5500.0	9	1.0	333	1	5585 5695 5403 5422 5719 5429 5268 5651 5452 5456

						5451	5626	5324	5471	5446
						5482	5514	5310	5608	5502
						5296	5420	5595	5607	5485
						5377	5274	5397	5379	5641
						5468	5549	5297	5717	5532
						5542	5396	5421	5497	5510
						5395	5288	5495	5680	5668
						5250	5675	5325	5343	5349
						5672	5415	5447	5618	5284
						5592	5596	5619	5633	5335
						5724	5579	5286	5342	5287
						5368	5614	5458	5339	5479
						5669	5362	5627	5434	5544
						5304	5548	5450	5587	5295
						5367	5254	5649	5459	5554
						5639	5598	5380	5566	5593
						5351	5586	5311	5385	5700
						5407	5713	5443	5393	5283
						(number of hits: 3)				
8	5500.0	9	1.0	333	1	5365	5459	5436	5583	5464
						5568	5290	5251	5615	5285
						5415	5666	5467	5473	5641
						5413	5653	5694	5304	5586
						5536	5599	5458	5265	5601
						5600	5483	5675	5510	5438
						5254	5457	5306	5271	5584
						5487	5692	5650	5424	5331
						5371	5492	5260	5677	5597
						5705	5283	5383	5396	5658
						5700	5708	5723	5270	5562
						5472	5546	5590	5287	5500
						5669	5411	5255	5707	5543
						5711	5404	5446	5253	5617
						5698	5465	5294	5686	5603
						5393	5718	5664	5350	5529
						5674	5560	5368	5527	5369
						5362	5493	5305	5259	5466
						5431	5717	5516	5592	5345
						5494	5339	5462	5697	5372
						(number of hits: 4)				
9	5500.0	9	1.0	333	1	5620	5320	5372	5269	5306
						5610	5690	5326	5303	5492
						5691	5679	5503	5386	5488
						5561	5671	5516	5698	5508
						5655	5477	5688	5431	5531

						5550 5328 5587 5709 5552 5327 5686 5672 5458 5469 5723 5578 5585 5425 5338 5645 5454 5430 5500 5674 5429 5685 5366 5441 5449 5448 5479 5409 5299 5568 5660 5407 5319 5665 5614 5718 5653 5440 5656 5523 5420 5392 5548 5297 5438 5482 5352 5590 5309 5493 5510 5354 5573 5624 5623 5564 5265 5335 5268 5451 5385 5490 5611 5681 5598 5282 5347 5603 5356 5517 5336 5254 5489 5521 5696 (number of hits: 5)
10	5500.0	9	1.0	333	1	5303 5559 5308 5430 5526 5652 5712 5401 5466 5699 5622 5565 5544 5581 5509 5649 5323 5522 5646 5700 5698 5346 5418 5680 5404 5419 5402 5531 5691 5268 5594 5313 5643 5315 5707 5289 5387 5669 5381 5578 5349 5484 5537 5368 5265 5671 5358 5665 5449 5499 5502 5335 5355 5585 5350 5304 5391 5353 5276 5454 5597 5528 5532 5448 5656 5647 5479 5599 5567 5609 5379 5488 5415 5464 5534 5397 5287 5458 5311 5429 5539 5491 5606 5683 5405 5690 5653 5720 5274 5328 5299 5436 5263 5431 5371 5604 5316 5607 5615 5373 (number of hits: 2)
11	5500.0	9	1.0	333	0	
12	5500.0	9	1.0	333	1	5338 5562 5655 5277 5588 5358 5659 5551 5695 5260 5387 5618 5626 5399 5253 5577 5261 5609 5617 5581 5397 5286 5350 5573 5678 5365 5521 5336 5300 5566

						5557	5270	5633	5307	5568
						5473	5448	5506	5652	5259
						5325	5719	5648	5287	5594
						5528	5615	5518	5511	5487
						5582	5462	5452	5482	5415
						5619	5362	5405	5544	5377
						5706	5685	5546	5311	5703
						5591	5507	5354	5530	5682
						5705	5500	5460	5410	5704
						5400	5572	5550	5635	5331
						5442	5543	5401	5296	5433
						5351	5455	5607	5441	5284
						5449	5701	5713	5274	5407
						5255	5505	5569	5323	5262
						(number of hits: 4)				
13	5500.0	9	1.0	333	1	5593	5326	5591	5438	5430
						5400	5584	5626	5383	5467
						5318	5407	5667	5594	5572
						5341	5704	5356	5306	5625
						5650	5338	5375	5323	5364
						5530	5568	5370	5342	5552
						5514	5485	5310	5602	5707
						5564	5659	5663	5573	5408
						5657	5413	5284	5523	5508
						5698	5576	5277	5361	5638
						5503	5668	5713	5466	5365
						5316	5595	5363	5348	5360
						5491	5618	5529	5534	5317
						5456	5390	5265	5372	5399
						5589	5309	5386	5369	5692
						5396	5531	5412	5441	5464
						5614	5546	5314	5550	5475
						5395	5532	5647	5391	5719
						5699	5631	5521	5262	5336
						5403	5451	5329	5460	5504
						(number of hits: 3)				
14	5500.0	9	1.0	333	1	5276	5565	5527	5502	5650
						5442	5606	5701	5546	5296
						5627	5671	5708	5314	5593
						5429	5259	5459	5254	5518
						5633	5341	5376	5367	5252
						5479	5404	5481	5441	5471
						5603	5559	5325	5371	5655

						5612	5337	5577	5412	5588
						5595	5653	5281	5355	5488
						5306	5537	5617	5639	5712
						5339	5554	5282	5536	5410
						5553	5270	5310	5560	5319
						5489	5540	5533	5450	5615
						5405	5426	5572	5264	5288
						5575	5362	5622	5716	5539
						5512	5664	5454	5299	5611
						5686	5449	5689	5374	5267
						5440	5446	5305	5370	5556
						5250	5258	5513	5538	5317
						5320	5301	5430	5432	5280
						(number of hits: 1)				
15	5500.0	9	1.0	333	1	5531	5329	5463	5663	5492
						5484	5301	5612	5503	5558
						5557	5274	5509	5614	5517
						5386	5465	5299	5710	5544
						5507	5317	5456	5269	5615
						5331	5499	5455	5341	5523
						5330	5428	5343	5711	5620
						5413	5271	5408	5587	5491
						5251	5671	5436	5321	5278
						5284	5468	5389	5595	5670
						5429	5588	5515	5605	5371
						5262	5257	5266	5602	5500
						5379	5668	5521	5705	5478
						5354	5365	5307	5534	5566
						5640	5561	5606	5385	5716
						5581	5685	5360	5585	5493
						5344	5564	5260	5687	5608
						5352	5337	5459	5308	5400
						5553	5665	5721	5353	5298
						5555	5372	5304	5296	5312
						(number of hits: 6)				
16	5500.0	9	1.0	333	1	5311	5568	5399	5349	5712
						5623	5553	5376	5300	5710
						5392	5346	5315	5704	5635
						5508	5513	5344	5427	5552
						5576	5258	5448	5717	5406
						5658	5605	5559	5375	5565
						5316	5385	5558	5485	5343
						5459	5301	5265	5502	5279

						5374	5561	5275	5591	5472
						5653	5723	5464	5691	5656
						5460	5560	5676	5357	5556
						5690	5673	5639	5650	5395
						5423	5686	5579	5469	5542
						5303	5401	5614	5329	5272
						5547	5609	5709	5692	5540
						5557	5480	5253	5474	5596
						5674	5516	5627	5698	5352
						5470	5397	5554	5273	5354
						5388	5411	5359	5655	5600
						5572	5669	5291	5638	5487
						(number of hits: 2)				
17	5500.0	9	1.0	333	1	5566	5332	5335	5510	5554
						5665	5478	5451	5463	5539
						5323	5610	5453	5327	5656
						5596	5640	5671	5389	5716
						5560	5267	5296	5537	5690
						5294	5607	5333	5663	5409
						5704	5680	5342	5298	5637
						5638	5691	5550	5572	5418
						5416	5501	5362	5312	5326
						5369	5520	5428	5555	5614
						5301	5581	5718	5392	5707
						5646	5383	5523	5545	5405
						5492	5304	5368	5518	5502
						5415	5365	5252	5437	5349
						5696	5309	5630	5709	5558
						5668	5499	5526	5600	5299
						5455	5373	5687	5297	5316
						5338	5505	5255	5360	5271
						5616	5477	5683	5576	5263
						5440	5686	5482	5567	5270
						(number of hits: 5)				
18	5500.0	9	1.0	333	1	5724	5571	5271	5671	5299
						5707	5500	5526	5626	5254
						5399	5494	5522	5677	5684
						5292	5337	5433	5471	5336
						5712	5529	5663	5560	5459
						5536	5443	5666	5416	5411
						5361	5258	5641	5368	5668
						5330	5340	5542	5250	5469
						5366	5449	5311	5638	5672

						5257	5468	5594	5568	5283
						5260	5681	5467	5464	5498
						5689	5484	5410	5350	5328
						5458	5566	5676	5376	5656
						5491	5353	5478	5616	5310
						5644	5398	5720	5442	5436
						5625	5322	5553	5383	5502
						5613	5633	5629	5420	5581
						5359	5406	5266	5371	5675
						5721	5703	5537	5465	5627
						5369	5694	5407	5447	5316
						(number of hits: 4)				
19	5500.0	9	1.0	333	1	5504	5335	5682	5357	5519
						5371	5425	5601	5692	5478
						5563	5663	5535	5717	5698
						5297	5322	5402	5382	5625
						5479	5502	5653	5618	5636
						5448	5408	5264	5493	5477
						5313	5555	5256	5631	5656
						5397	5257	5261	5346	5341
						5654	5709	5363	5281	5291
						5721	5255	5310	5258	5470
						5269	5334	5349	5407	5314
						5446	5418	5688	5508	5455
						5562	5415	5355	5279	5629
						5404	5389	5412	5488	5383
						5550	5602	5337	5634	5620
						5417	5367	5365	5432	5547
						5561	5499	5430	5633	5568
						5558	5449	5410	5498	5701
						5431	5377	5679	5720	5592
						5434	5606	5472	5405	5648
						(number of hits: 6)				
20	5500.0	9	1.0	333	1	5284	5574	5618	5518	5361
						5413	5447	5676	5380	5307
						5494	5452	5576	5437	5719
						5288	5449	5408	5427	5342
						5487	5571	5691	5610	5609
						5714	5260	5467	5597	5511
						5444	5688	5371	5337	5476
						5536	5348	5532	5499	5255
						5493	5708	5601	5474	5360
						5685	5271	5329	5363	5620

						5346	5445	5385	5438	5705
						5258	5634	5372	5403	5327
						5426	5594	5580	5300	5586
						5552	5350	5590	5351	5698
						5653	5434	5340	5483	5596
						5376	5388	5631	5495	5557
						5711	5624	5496	5625	5410
						5443	5275	5414	5364	5424
						5480	5646	5464	5262	5647
						5418	5261	5488	5575	5615
						(number of hits: 5)				
21	5500.0	9	1.0	333	1	5539	5338	5554	5582	5581
						5455	5372	5276	5543	5514
						5425	5617	5535	5265	5376
						5576	5511	5375	5534	5398
						5262	5632	5699	5602	5587
						5670	5701	5545	5494	5430
						5645	5586	5489	5674	5675
						5536	5328	5274	5644	5332
						5413	5714	5357	5517	5251
						5412	5416	5410	5600	5524
						5436	5527	5528	5580	5347
						5326	5593	5397	5723	5270
						5720	5418	5378	5393	5523
						5387	5530	5448	5615	5316
						5671	5440	5475	5335	5683
						5508	5299	5476	5334	5555
						5371	5400	5687	5493	5345
						5439	5349	5406	5370	5282
						5415	5519	5719	5286	5486
						5680	5346	5279	5702	5402
						(number of hits: 3)				
22	5500.0	9	1.0	333	1	5319	5577	5490	5268	5423
						5497	5394	5351	5706	5721
						5259	5602	5658	5255	5286
						5464	5703	5614	5420	5251
						5406	5331	5573	5691	5555
						5536	5301	5330	5579	5704
						5263	5494	5717	5627	5599
						5427	5655	5496	5477	5382
						5451	5446	5495	5332	5469
						5297	5476	5700	5487	5713
						5524	5535	5280	5308	5343

						5271	5377	5532	5287	5250
						5679	5339	5472	5265	5340
						5418	5485	5657	5443	5656
						5294	5652	5628	5345	5457
						5586	5665	5467	5372	5540
						5439	5666	5369	5562	5722
						5292	5442	5492	5617	5606
						5585	5393	5282	5483	5629
						5349	5306	5633	5690	5334
						(number of hits: 5)				
23	5500.0	9	1.0	333	1	5477	5341	5426	5429	5643
						5636	5319	5297	5453	5665
						5391	5699	5450	5307	5552
						5355	5717	5465	5443	5414
						5497	5514	5305	5528	5281
						5388	5504	5434	5613	5578
						5683	5559	5444	5415	5692
						5381	5718	5492	5580	5569
						5582	5579	5318	5622	5448
						5375	5686	5293	5522	5562
						5352	5401	5538	5327	5371
						5626	5709	5498	5637	5506
						5697	5707	5557	5602	5285
						5340	5421	5362	5572	5610
						5696	5543	5408	5427	5253
						5524	5273	5488	5438	5363
						5678	5631	5435	5390	5260
						5342	5508	5279	5590	5420
						5262	5616	5651	5694	5410
						5337	5467	5527	5328	5409
						(number of hits: 6)				
24	5500.0	9	1.0	333	1	5257	5580	5362	5590	5485
						5678	5341	5501	5460	5282
						5499	5655	5265	5645	5328
						5543	5385	5345	5510	5325
						5566	5552	5297	5644	5337
						5707	5635	5647	5717	5669
						5516	5659	5664	5512	5520
						5334	5288	5355	5483	5421
						5662	5256	5387	5445	5682
						5569	5661	5351	5478	5449
						5606	5577	5589	5416	5375
						5315	5339	5663	5688	5456

						5652	5486	5428	5706	5638
						5370	5398	5307	5502	5251
						5546	5403	5687	5493	5296
						5534	5419	5615	5313	5320
						5498	5720	5447	5392	5374
						5555	5691	5306	5601	5588
						5427	5451	5425	5685	5651
						5308	5283	5701	5410	5404
						(number of hits: 5)				
25	5500.0	9	1.0	333	1	5512	5441	5298	5276	5705
						5720	5363	5576	5623	5489
						5430	5444	5403	5365	5349
						5631	5351	5458	5449	5333
						5257	5493	5386	5474	5435
						5664	5264	5681	5284	5558
						5473	5399	5341	5710	5562
						5425	5559	5508	5494	5260
						5367	5669	5627	5442	5611
						5549	5269	5409	5531	5714
						5482	5278	5640	5505	5673
						5637	5527	5617	5306	5653
						5659	5289	5552	5694	5318
						5274	5364	5319	5337	5614
						5297	5302	5323	5712	5581
						5379	5646	5416	5677	5400
						5392	5326	5445	5484	5658
						5384	5272	5452	5566	5423
						5464	5280	5471	5607	5622
						5630	5340	5447	5532	5615
						(number of hits: 4)				
26	5500.0	9	1.0	333	1	5292	5680	5709	5437	5547
						5287	5288	5651	5311	5696
						5361	5330	5444	5463	5370
						5719	5639	5454	5503	5641
						5341	5423	5434	5378	5447
						5323	5516	5638	5368	5715
						5326	5430	5517	5590	5530
						5701	5452	5661	5408	5671
						5450	5607	5295	5439	5443
						5529	5352	5584	5601	5358
						5691	5496	5581	5571	5472
						5533	5321	5717	5625	5652
						5695	5662	5268	5373	5349

						5567	5483	5395	5698	5649
						5258	5605	5334	5536	5723
						5381	5436	5551	5721	5467
						5623	5606	5415	5388	5379
						5712	5478	5636	5613	5656
						5512	5449	5558	5502	5546
						5718	5572	5498	5707	5509
						(number of hits: 4)				
27	5500.0	9	1.0	333	1	5450	5444	5645	5598	5292
						5426	5310	5251	5377	5525
						5670	5594	5485	5658	5391
						5332	5291	5557	5548	5358
						5252	5492	5472	5467	5420
						5589	5465	5269	5274	5433
						5387	5257	5267	5350	5365
						5704	5723	5339	5322	5510
						5533	5545	5535	5372	5509
						5435	5428	5637	5709	5630
						5305	5697	5686	5504	5407
						5584	5457	5478	5641	5388
						5692	5409	5656	5459	5286
						5564	5684	5652	5657	5681
						5362	5324	5546	5482	5715
						5309	5378	5662	5526	5475
						5256	5430	5676	5326	5619
						5593	5297	5461	5575	5500
						5691	5346	5392	5496	5255
						5360	5460	5338	5333	5385
						(number of hits: 4)				
28	5500.0	9	1.0	333	1	5705	5683	5581	5284	5609
						5468	5710	5326	5540	5257
						5601	5383	5526	5378	5412
						5323	5418	5660	5593	5550
						5260	5658	5413	5459	5393
						5477	5317	5472	5673	5308
						5507	5322	5344	5516	5548
						5504	5320	5519	5589	5711
						5349	5616	5483	5300	5530
						5301	5489	5518	5486	5690
						5278	5488	5331	5318	5394
						5520	5372	5382	5401	5475
						5579	5572	5529	5289	5684
						5686	5641	5348	5391	5254

						5564	5636	5292	5277	5506
						5685	5523	5650	5437	5343
						5576	5559	5263	5404	5387
						5438	5570	5696	5384	5258
						5496	5491	5625	5627	5654
						5592	5612	5449	5590	5591
						(number of hits: 4)				
29	5500.0	9	1.0	333	1	5485	5447	5517	5348	5354
						5510	5257	5401	5703	5464
						5532	5647	5567	5573	5433
						5411	5448	5288	5541	5267
						5268	5252	5548	5366	5365
						5266	5675	5302	5342	5549
						5308	5301	5687	5668	5368
						5546	5315	5722	5663	5321
						5421	5443	5527	5608	5469
						5601	5543	5364	5507	5369
						5483	5343	5694	5707	5336
						5591	5307	5446	5708	5262
						5571	5693	5702	5630	5412
						5590	5384	5698	5621	5367
						5330	5278	5280	5355	5661
						5482	5619	5324	5580	5353
						5669	5519	5568	5275	5674
						5429	5326	5498	5665	5564
						5338	5506	5656	5253	5536
						5679	5609	5667	5565	5487
						(number of hits: 3)				
30	5500.0	9	1.0	333	1	5265	5686	5453	5509	5671
						5552	5657	5476	5391	5293
						5366	5436	5608	5454	5499
						5575	5294	5586	5459	5654
						5418	5392	5637	5339	5631
						5593	5403	5406	5376	5688
						5672	5258	5330	5442	5566
						5685	5502	5683	5420	5636
						5404	5359	5524	5537	5449
						5684	5505	5321	5430	5715
						5669	5641	5638	5290	5306
						5601	5320	5362	5427	5516
						5525	5528	5576	5710	5539
						5323	5433	5416	5645	5402
						5264	5380	5679	5441	5491

						5444	5723	5605	5304	5300
						5635	5595	5272	5394	5332
						5643	5461	5382	5529	5389
						5514	5346	5259	5598	5691
						5722	5549	5385	5365	5655
						(number of hits: 3)				

AP Mode

Cobalt Radio

5510 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	90.0 %	60%	Pass
Type 3	30	90.0 %	60%	Pass
Type 4	30	96.7 %	60%	Pass
Aggregate (Type 1 to 4)	120	94.2 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Table-1A/1B Radar Type 1A/1B Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	102	1.0	518	1
2	68	1.0	778	1
3	63	1.0	838	1
4	99	1.0	538	1
5	58	1.0	918	1
6	83	1.0	638	1
7	89	1.0	598	1
8	67	1.0	798	1
9	18	1.0	3066	1
10	62	1.0	858	1
11	59	1.0	898	1
12	70	1.0	758	1
13	61	1.0	878	1
14	57	1.0	938	1
15	92	1.0	578	1
16	52	1.0	1030	1
17	101	1.0	525	1
18	50	1.0	1056	1
19	42	1.0	1273	1
20	19	1.0	2834	1
21	60	1.0	892	1
22	29	1.0	1824	1
23	21	1.0	2563	1
24	31	1.0	1713	1
25	27	1.0	2020	1
26	25	1.0	2161	1
27	80	1.0	664	1
28	23	1.0	2333	1
29	26	1.0	2043	1
30	41	1.0	1298	1
Detection Percentage: 100 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	24	2.8	220	1
2	23	1.6	158	1
3	26	1	204	1
4	28	2.3	189	0
5	27	3	172	1
6	26	5	182	1
7	25	3.4	218	0
8	29	4.1	229	1
9	23	4.9	209	1
10	27	5	200	1
11	23	3.9	205	1
12	24	2.4	198	1
13	25	1.3	227	1
14	29	2.6	197	1
15	27	2.9	207	1
16	27	5	173	0
17	24	4.8	162	1
18	27	3	190	1
19	27	2.4	221	1
20	27	4.5	168	1
21	29	1.8	178	1
22	23	1.7	183	1
23	24	3.3	223	1
24	25	5	151	1
25	28	2.8	179	1
26	24	1.2	199	1
27	28	4.5	167	1
28	25	3.3	150	1
29	28	4.4	213	1
30	29	4.2	185	1
Detection Percentage: 90.0 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	8.4	229	1
2	16	7.0	373	1
3	17	6.3	307	1
4	18	8.3	384	1
5	17	9.9	383	1
6	17	8.3	489	1
7	17	9.6	406	1
8	18	9.8	251	1
9	16	9.7	387	0
10	17	7.8	461	0
11	16	7.6	459	1
12	16	8.7	232	1
13	16	6.6	379	1
14	18	8.4	218	1
15	18	10	484	1
16	17	8.2	214	1
17	16	9.7	319	1
18	17	9.7	436	1
19	18	8.2	260	0
20	18	9	456	1
21	18	8.2	381	1
22	16	7.4	290	1
23	16	9.3	467	1
24	17	10	471	1
25	18	8.6	348	1
26	16	9.6	318	1
27	18	8.9	473	1
28	16	6.5	488	1
29	18	8.3	316	1
30	18	6.3	325	1
Detection Percentage: 90.0 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5530 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	13	18.6	401	1
2	12	18.3	203	1
3	14	19.5	344	1
4	15	18.8	409	0
5	15	11.5	498	1
6	14	19.9	256	1
7	13	14.9	308	1
8	16	13.2	313	1
9	12	17	418	1
10	15	18.5	353	1
11	12	17.7	224	1
12	13	14.5	375	1
13	13	19	435	1
14	16	13.3	233	1
15	15	14.4	260	1
16	15	19.7	320	1
17	13	12.6	321	1
18	15	11.4	383	1
19	15	14.6	211	1
20	15	19.5	358	1
21	16	11.6	370	1
22	12	19.9	480	1
23	12	12.4	391	1
24	13	18.7	271	1
25	15	12.3	315	1
26	12	13.8	217	1
27	15	14.3	258	1
28	13	12	381	1
29	16	12.9	255	1
30	16	13.7	272	1
Detection Percentage: 96.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510.0	1
2	5510.0	1
3	5510.0	1
4	5510.0	1
5	5510.0	1
6	5510.0	1
7	5510.0	1
8	5510.0	1
9	5510.0	1
10	5510.0	1
11	5498.0	1
12	5500.0	1
13	5495.0	1
14	5494.0	1
15	5497.0	1
16	5500.0	1
17	5496.0	1
18	5498.0	1
19	5496.0	1
20	5498.0	1
21	5521.0	1
22	5522.0	1
23	5525.0	1
24	5521.0	1
25	5522.0	1
26	5523.0	1
27	5522.0	1
28	5521.0	1
29	5521.0	1
30	5522.0	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	486046	76.7	19	1	1974	-	-	1
1	750201	99	19	1	1896	-	-	
2	1012646	65.5	19	2	1795	1900	-	
3	189010	71.6	19	3	1074	1864	1357	
4	453297	68.1	19	2	1493	1005	-	
5	716902	78.1	19	2	1928	1130	-	
6	980748	66.2	19	2	1286	1764	-	
7	156446	89.4	19	3	1206	1859	1944	
8	421105	81.5	19	1	1660	-	-	
9	684550	85	19	2	1518	1307	-	
10	949309	73.2	19	1	1833	-	-	

Bin5 Statistics 2

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	152093	55.3	16	1	1465	-	-	1
1	475275	90.7	16	1	1012	-	-	
2	795964	74.1	16	3	1717	1860	1508	
3	1118767	86.9	16	3	1059	1586	1655	
4	112099	91.9	16	2	1985	1914	-	
5	435458	55.5	16	1	1058	-	-	
6	757888	70.9	16	2	1027	1241	-	
7	1079315	63.7	16	3	1278	1625	1087	
8	72344	70.6	16	3	1337	1638	1646	

Bin5 Statistics 3

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	253108	52.1	12	3	1781	1745	1338	1
1	461870	74.9	12	1	1051	-	-	
2	668886	93.3	12	1	1835	-	-	
3	20993	79.8	12	2	1521	1313	-	
4	227822	98.2	12	3	1042	1901	1265	
5	435983	65	12	1	1662	-	-	
6	641220	92.1	12	3	1694	1467	1485	
7	851383	84.1	12	1	1222	-	-	
8	202270	74.9	12	3	1370	1962	1179	
9	409140	88.1	12	3	1937	1392	1015	
10	616771	75.3	12	2	1531	1704	-	
11	822676	89.4	12	3	1510	1093	1870	
12	176822	56.5	12	3	1356	1298	1739	
13	384905	68.5	12	1	1583	-	-	

Bin5 Statistics 4

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	458899	82.1	16	3	1772	1022	1125	1
1	619328	50.9	16	3	1528	1341	1380	
2	117488	60.3	16	3	1963	1135	1592	
3	279400	62.1	16	1	1448	-	-	
4	439737	63.9	16	2	1270	1687	-	
5	600471	62.5	16	2	1643	1576	-	
6	98225	53.3	16	1	1220	-	-	
7	258274	91	16	3	1846	1544	1272	
8	418784	71.8	16	3	1910	1665	1161	
9	580929	79.6	16	2	1402	1499	-	
10	78090	81.7	16	2	1884	1503	-	
11	238436	82.3	16	3	1041	1830	1960	
12	398884	97.5	16	3	1967	1418	1558	
13	561174	83.2	16	2	1318	1495	-	
14	58479	53	16	1	1055	-	-	
15	219097	51.5	16	2	1925	1595	-	
16	380176	67.3	16	2	1210	1883	-	
17	542622	64.9	16	1	1243	-	-	

Bin5 Statistics 5

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	43340	54.1	20	2	1252	1297	-	1
1	223720	76.7	20	3	1598	1946	2000	
2	405927	87.9	20	2	1314	1187	-	
3	588299	51.8	20	1	1126	-	-	
4	20980	55.6	20	3	1277	1065	1279	
5	202688	85.7	20	1	1082	-	-	
6	382618	73.4	20	3	1171	1458	1778	
7	564623	53	20	2	1300	1552	-	
8	746507	86.1	20	2	1003	1170	-	
9	180292	82.2	20	1	1174	-	-	
10	361781	64.4	20	1	1433	-	-	
11	543128	93.5	20	1	1714	-	-	
12	724700	59.7	20	1	1622	-	-	
13	157927	83.9	20	1	1148	-	-	
14	338798	98.8	20	2	1550	1251	-	
15	520862	72.2	20	1	1587	-	-	

Bin5 Statistics 6

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	861862	92	5	3	1391	1667	1666	1
1	166147	86	5	3	1866	1806	1555	
2	388735	81.5	5	3	1886	1659	1729	
3	614121	93.5	5	1	1085	-	-	
4	837183	56.9	5	1	1690	-	-	
5	139274	51.1	5	1	1606	-	-	
6	362057	67.2	5	2	1991	1400	-	
7	584481	61.2	5	3	1633	1599	1147	
8	808255	53	5	2	1352	1934	-	
9	111361	63.7	5	3	1836	1693	1249	
10	334245	98.2	5	3	1127	1424	1766	
11	558796	65.9	5	1	1477	-	-	
12	781161	67.6	5	2	1166	1668	-	

Bin5 Statistics 7

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	91251	58.8	11	1	1578	-	-	1
1	333584	81.1	11	1	1026	-	-	
2	574947	73.3	11	2	1480	1141	-	
3	816594	70.7	11	2	1417	1507	-	
4	61328	60.3	11	2	1907	1223	-	
5	303069	85.2	11	2	1359	1874	-	
6	545585	79.8	11	1	1826	-	-	
7	786092	80.7	11	2	1911	1920	-	
8	31488	80.3	11	3	1482	1823	1697	
9	272948	95.3	11	3	1238	1475	1770	
10	514651	74.7	11	3	1175	1656	1152	
11	757866	88.7	11	1	1810	-	-	

Bin5 Statistics 8

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1060	60.8	13	1	1976	-	-	1
1	145441	76.5	13	3	1382	1853	1435	
2	291340	71.2	13	1	1563	-	-	
3	434225	76.5	13	3	1228	1762	1664	
4	580066	78.4	13	2	1850	1312	-	
5	128251	69.8	13	1	1895	-	-	
6	273429	97.9	13	1	1635	-	-	
7	418333	83.5	13	1	1947	-	-	
8	561520	75.2	13	2	1926	1995	-	
9	110309	91.3	13	2	1263	1035	-	
10	254999	67	13	2	1331	1603	-	
11	400353	70.1	13	2	1069	1048	-	
12	546145	73.9	13	1	1255	-	-	
13	92553	57.9	13	1	1651	-	-	
14	237634	53	13	1	1746	-	-	
15	383156	59.4	13	1	1078	-	-	
16	526907	76.6	13	2	1443	1343	-	
17	74326	98.8	13	3	1514	1525	1434	
18	219756	92	13	1	1761	-	-	
19	365044	87.5	13	1	1439	-	-	

Bin5 Statistics 9

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1132130	57.5	13	3	1936	1411	1820	1
1	126065	85.4	13	3	1950	1849	1582	
2	449536	77.2	13	1	1230	-	-	
3	770752	51.1	13	3	1732	1159	1547	
4	1094620	91.1	13	2	1192	1339	-	
5	86475	72.8	13	3	1092	1226	1805	
6	408645	99.4	13	3	1484	1790	1517	
7	730926	98.7	13	3	1871	1121	1675	
8	1054203	69	13	2	1487	1876	-	

Bin5 Statistics 10

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	26246	91.6	13	3	1000	1101	1922	1
1	207986	61.7	13	1	1080	-	-	
2	389192	90.8	13	1	1908	-	-	
3	571227	56.8	13	1	1122	-	-	
4	3974	54.7	13	1	1516	-	-	
5	185442	96.1	13	1	1769	-	-	
6	366946	74.6	13	1	1698	-	-	
7	548782	96.1	13	1	1221	-	-	
8	729881	84.8	13	1	1738	-	-	
9	162656	74.7	13	3	1039	1257	1461	
10	344236	93.9	13	2	1209	1259	-	
11	524366	50.3	13	3	1351	1705	1077	
12	704899	82.4	13	3	1283	1902	1332	
13	140822	92.4	13	1	1310	-	-	
14	321122	67.6	13	3	1030	1267	1989	
15	501198	64	13	3	1927	1721	1800	

Bin5 Statistics 11

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1370079	53.2	14	3	1344	1419	1004	1
1	237059	96.9	14	1	1683	-	-	
2	600418	52.4	14	1	1760	-	-	
3	963653	82.2	14	1	1970	-	-	
4	1324930	70.4	14	3	1142	1569	1565	
5	192292	54	14	1	1731	-	-	
6	555617	81.6	14	1	1873	-	-	
7	917032	53.2	14	3	1548	1931	1537	

Bin5 Statistics 12

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	930736	87.2	20	2	1617	1904	-	1
1	107312	81.2	20	1	1096	-	-	
2	371387	75.5	20	1	1799	-	-	
3	634889	99.3	20	2	1006	1892	-	
4	899801	70.1	20	1	1645	-	-	
5	74727	85.4	20	1	1502	-	-	
6	338267	55.6	20	2	1961	1711	-	
7	602569	70.5	20	2	1549	1017	-	
8	867380	99.2	20	1	1494	-	-	
9	42153	64.5	20	2	1160	1091	-	
10	305487	83.7	20	3	1663	1620	1457	

Bin5 Statistics 13

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	522996	79.5	7	1	1501	-	-	1
1	763485	76.3	7	2	1955	1737	-	
2	8816	63.2	7	2	1716	1590	-	
3	250910	69.1	7	1	1856	-	-	
4	491614	61.8	7	3	1692	1072	1881	
5	733015	78.4	7	3	1649	1104	1898	
6	977312	63.4	7	1	1695	-	-	
7	220884	91.9	7	2	1323	1468	-	
8	462245	74	7	3	1373	1114	1368	
9	703762	98.1	7	3	1009	1686	1273	
10	947683	87.2	7	1	1490	-	-	
11	190630	75.1	7	3	1713	1710	1787	

Bin5 Statistics 14

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	258701	93.1	5	3	1564	1369	1202	1
1	403985	59.6	5	2	1916	1083	-	
2	549998	87.1	5	1	1671	-	-	
3	96390	87.9	5	3	1289	1375	1430	
4	240866	75.9	5	3	1333	1500	1386	
5	385836	97	5	2	1981	1504	-	
6	529509	66.4	5	3	1696	1295	1619	
7	78517	98.7	5	3	1776	1287	1570	
8	223233	87.5	5	2	1878	1899	-	
9	368938	80.2	5	1	1990	-	-	
10	513122	87.5	5	2	1949	1032	-	
11	60944	69.6	5	2	1162	1385	-	
12	205117	73.5	5	3	1957	1496	1207	
13	351255	70.6	5	1	1680	-	-	
14	494316	75.3	5	3	1145	1942	1064	
15	42995	75.9	5	3	1346	1398	1188	
16	187167	99.4	5	3	1912	1642	1629	
17	333385	69.1	5	1	1672	-	-	
18	476198	73.4	5	3	1387	1396	1765	
19	25243	51.1	5	2	1383	1256	-	

Bin5 Statistics 15

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	212775	67.9	13	2	1178	1688	-	1
1	393814	58.6	13	2	1861	1316	-	
2	574914	88.1	13	2	1798	1416	-	
3	9256	87.8	13	2	1432	1050	-	
4	190257	90	13	2	1915	1727	-	
5	370870	77.7	13	3	1759	1139	1553	
6	554052	90.7	13	1	1258	-	-	
7	735357	53.8	13	1	1551	-	-	
8	167768	56.9	13	3	1505	1581	1408	
9	348688	62.2	13	3	1100	1822	1334	
10	531491	57.5	13	1	1529	-	-	
11	710736	55.1	13	3	1268	1474	1183	
12	146068	50	13	1	1566	-	-	
13	327086	56.1	13	2	1138	1572	-	
14	508832	82.4	13	1	1969	-	-	
15	690964	89.7	13	1	1198	-	-	

Bin5 Statistics 16

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	123247	83	20	3	1167	1954	1244	1
1	304590	97.6	20	2	1958	1173	-	
2	484497	79.7	20	3	1844	1609	1573	
3	668351	73.6	20	1	1470	-	-	
4	101194	82.8	20	2	1110	1612	-	
5	281752	65.9	20	3	1509	1782	1231	
6	464271	96.3	20	1	1755	-	-	
7	646032	99.4	20	1	1421	-	-	
8	78999	88.8	20	1	1491	-	-	
9	260490	93.7	20	1	1623	-	-	
10	442095	95.6	20	1	1454	-	-	
11	620686	91.2	20	3	1708	1426	1867	
12	56640	53	20	1	1463	-	-	
13	238034	87.5	20	1	1935	-	-	
14	418925	92.5	20	2	1269	1626	-	
15	600263	54.9	20	2	1413	1306	-	

Bin5 Statistics 17

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	49721	74.7	11	3	1284	1980	1869	
1	313452	86	11	3	1194	1057	1511	
2	577239	57.2	11	2	1751	1786	-	
3	841443	84.4	11	2	1579	1335	-	
4	17300	71.5	11	3	1115	1136	1939	
5	280556	99.4	11	3	1858	1636	1885	1
6	544922	97.9	11	2	1726	1476	-	
7	807345	98.2	11	3	1794	1427	1837	
8	1074257	56.3	11	1	1449	-	-	
9	248823	62.6	11	2	1028	1303	-	
10	513462	91.7	11	1	1007	-	-	

Bin5 Statistics 18

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	568015	75.2	15	3	1513	1181	1366	
1	761143	72.7	15	3	1060	1437	1471	
2	158263	82.3	15	2	1982	1534	-	
3	352518	69.6	15	1	1062	-	-	
4	545352	67.4	15	2	1195	1233	-	
5	737384	88.3	15	3	1034	1827	1084	
6	134624	85.7	15	2	1023	1574	-	
7	328540	92.9	15	1	1330	-	-	1
8	521317	51.7	15	2	1340	1406	-	
9	714901	89.5	15	2	1452	1043	-	
10	110769	99.9	15	2	1081	1749	-	
11	304630	68.4	15	1	1462	-	-	
12	497564	51.9	15	2	1240	1403	-	
13	691940	62.4	15	1	1498	-	-	
14	87108	88.8	15	1	1420	-	-	

Bin5 Statistics 19

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	247222	99	10	2	1536	1235	-	1
1	418735	96.4	10	1	1111	-	-	
2	587797	82.2	10	2	1774	1568	-	
3	55668	99.5	10	2	1453	1600	-	
4	226575	50.7	10	1	1657	-	-	
5	396235	69.5	10	2	1724	1948	-	
6	568040	69.7	10	1	1817	-	-	
7	34595	52.6	10	3	1384	1589	1618	
8	205599	80.5	10	1	1445	-	-	
9	375892	64	10	2	1036	1447	-	
10	545280	98.9	10	3	1807	1052	1180	
11	13655	98.1	10	3	1290	1105	1679	
12	184600	68.1	10	1	1271	-	-	
13	355367	83.7	10	1	1515	-	-	
14	526362	99.8	10	1	1296	-	-	
15	693671	81.5	10	3	1455	1681	1773	
16	163566	67.2	10	1	1200	-	-	

Bin5 Statistics 20

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	334220	70.1	15	1	1736	-	-	1
1	502701	74.3	15	3	1673	1393	1872	
2	674386	71	15	2	1718	1466	-	
3	142165	76.7	15	2	1293	1632	-	
4	312729	56.5	15	2	1266	1492	-	
5	484274	74.1	15	1	1282	-	-	
6	651598	78.2	15	3	1929	1814	1371	
7	121481	52.9	15	1	1090	-	-	
8	291781	67.4	15	2	1488	1131	-	
9	463385	94.6	15	1	1037	-	-	
10	634109	90.8	15	1	1285	-	-	
11	100394	65.5	15	1	1315	-	-	
12	271249	74.9	15	1	1381	-	-	
13	440707	67.6	15	2	1909	1712	-	
14	610155	55.2	15	3	1399	1585	1640	
15	79284	72	15	1	1865	-	-	
16	249524	82.8	15	2	1538	1752	-	

Bin5 Statistics 21

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	356737	50.4	18	2	1588	1541	-	1
1	503157	51.4	18	1	1154	-	-	
2	49499	66	18	1	1768	-	-	
3	193821	56.8	18	3	1676	1425	1029	
4	339727	61.9	18	1	1684	-	-	
5	484068	72.1	18	2	1053	1580	-	
6	31545	55.4	18	2	1707	1621	-	
7	176819	70	18	1	1422	-	-	
8	322099	51.8	18	1	1225	-	-	
9	465360	55.5	18	2	1933	1804	-	
10	13707	68.5	18	2	1943	1906	-	
11	158834	90.2	18	1	1811	-	-	
12	303042	67.6	18	2	1801	1725	-	
13	449272	59.2	18	1	1440	-	-	
14	594526	52	18	1	1355	-	-	
15	140739	57.9	18	2	1197	1567	-	
16	285487	82.6	18	2	1816	1157	-	
17	431600	98.3	18	1	1149	-	-	
18	573401	77.7	18	3	1535	1753	1431	
19	122623	91.4	18	3	1150	1414	1532	

Bin5 Statistics 22

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	595765	62	14	3	1473	1868	1071	1
1	918710	92.4	14	3	1108	1102	1276	
2	1242797	72.3	14	1	1818	-	-	
3	233767	53.9	14	3	1615	1489	1264	
4	557472	96.6	14	1	1047	-	-	
5	879499	83.4	14	2	1073	1630	-	
6	1201682	74.9	14	2	1301	1996	-	
7	194457	79	14	1	1682	-	-	
8	516252	87.2	14	3	1923	1045	1730	

Bin5 Statistics 23

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	754858	55.5	7	3	1450	1219	1212	1
1	1047200	96.4	7	1	1311	-	-	
2	139264	93.7	7	1	1024	-	-	
3	429309	76	7	2	1218	1880	-	
4	719880	85.3	7	2	1527	1098	-	
5	1009973	83.3	7	2	1018	1972	-	
6	103163	98.4	7	3	1020	1959	1319	
7	393762	65.5	7	2	1275	1186	-	
8	684329	60.4	7	2	1097	1143	-	
9	973011	58.2	7	3	1611	1199	1658	

Bin5 Statistics 24

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	56303	52.1	18	1	1791	-	-	1
1	298453	65.6	18	1	1616	-	-	
2	540868	56.6	18	1	1106	-	-	
3	782099	54.7	18	2	1336	1086	-	
4	26406	68.5	18	3	1879	1158	1628	
5	268581	59.6	18	1	1785	-	-	
6	509353	62.7	18	3	1979	1229	1169	
7	752995	99.8	18	1	1497	-	-	
8	994809	85.4	18	1	1852	-	-	
9	237964	88.8	18	3	1924	1204	1986	
10	480441	57.5	18	2	1129	1523	-	
11	720471	92.4	18	3	1608	1639	1971	

Bin5 Statistics 25

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	643547	69.4	14	1	1008	-	-	1
1	138488	77.6	14	3	1767	1349	1919	
2	300071	80.7	14	2	1324	1239	-	
3	460523	70.8	14	3	1088	1247	1113	
4	621045	58	14	3	1354	1117	1329	
5	118869	79.1	14	3	1685	1512	1021	
6	279993	62	14	2	1348	1780	-	
7	440540	60.3	14	2	1720	1983	-	
8	601693	78.5	14	2	1741	1562	-	
9	99511	97.2	14	1	1326	-	-	
10	260916	76.5	14	1	1227	-	-	
11	421268	82.9	14	2	1320	1543	-	
12	583187	96.3	14	1	1808	-	-	
13	79632	59.2	14	1	1345	-	-	
14	240356	74.9	14	2	1140	1965	-	
15	401326	64.2	14	2	1262	1784	-	
16	560930	82.3	14	3	1748	1561	1325	
17	59643	76	14	2	1472	1128	-	

Bin5 Statistics 26

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	398330	53.6	13	1	1460	-	-	1
1	689055	92.4	13	1	1389	-	-	
2	979393	72.1	13	1	1834	-	-	
3	71711	90	13	2	1977	1650	-	
4	361599	75.5	13	3	1723	1404	1395	
5	652373	75.8	13	2	1151	1843	-	
6	943020	55.3	13	2	1190	1377	-	
7	36029	87.7	13	1	1677	-	-	
8	326362	53.8	13	2	1232	1540	-	
9	616663	94.4	13	2	1842	1054	-	

Bin5 Statistics 27

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	503523	83.9	14	2	1076	1016	-	1
1	128	83.6	14	2	1894	1930	-	
2	161081	89.6	14	2	1321	1706	-	
3	322435	90.3	14	2	1040	1163	-	
4	483976	79.6	14	1	1670	-	-	
5	645749	63.2	14	1	1165	-	-	
6	141012	77	14	3	1133	1479	1557	
7	302967	66.1	14	1	1362	-	-	
8	464215	95.4	14	1	1519	-	-	
9	622762	64.5	14	3	1250	1802	1415	
10	121549	75.2	14	2	1013	1360	-	
11	281773	69.2	14	3	1793	1648	1019	
12	444438	53.4	14	1	1379	-	-	
13	605598	50.1	14	1	1591	-	-	
14	101834	79.8	14	1	1524	-	-	
15	263121	54.9	14	1	1602	-	-	
16	423044	89.1	14	3	1067	1486	1205	
17	583597	73.7	14	3	1797	1099	1116	

Bin5 Statistics 28

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	134219	58.4	17	1	1703	-	-	1
1	398052	59.3	17	2	1215	1401	-	
2	660767	84.7	17	3	1456	1719	1464	
3	926562	98.6	17	1	1888	-	-	
4	101677	67.5	17	1	1728	-	-	
5	365643	59.4	17	2	1061	1248	-	
6	629118	85.1	17	2	1358	1893	-	
7	893710	65.2	17	2	1245	1031	-	
8	68933	70.2	17	3	1891	1821	1260	
9	332519	79.4	17	3	1542	1520	1217	
10	597700	52	17	1	1291	-	-	

Bin5 Statistics 29

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	523694	54.8	17	3	1556	1994	1112	1
1	22344	65.4	17	1	1743	-	-	
2	182904	70.4	17	3	1308	1689	1299	
3	344199	75.3	17	2	1342	1701	-	
4	504102	67.7	17	3	1246	1855	1317	
5	2468	76.4	17	3	1841	1109	1815	
6	163153	95	17	3	1584	1506	1056	
7	324402	57.6	17	2	1777	1208	-	
8	483944	86.3	17	3	1196	1951	1783	
9	647445	53.3	17	1	1840	-	-	
10	143104	83	17	3	1709	1771	1851	
11	305387	82.2	17	1	1216	-	-	
12	466603	58.8	17	1	1469	-	-	
13	625793	68.8	17	2	1941	1796	-	
14	123989	67.8	17	1	1890	-	-	
15	285526	50.8	17	1	1172	-	-	
16	446470	84.5	17	1	1857	-	-	
17	606052	89	17	3	1214	1410	1044	

Bin5 Statistics 30

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	98087	72	16	3	1953	1848	1577	
1	251533	60.2	16	1	1438	-	-	
2	402953	70.6	16	2	2000	1634	-	
3	555918	86.7	16	2	1089	1788	-	
4	79682	81.7	16	2	1803	1184	-	
5	232795	79.2	16	1	1203	-	-	
6	383580	94.6	16	3	1964	1119	1554	
7	535392	59.6	16	3	1614	1388	1917	
8	61038	85.3	16	1	1597	-	-	
9	213272	66.1	16	2	1984	1253	-	1
10	364783	80.2	16	3	1742	1828	1182	
11	516629	55.1	16	3	1350	1757	1863	
12	41986	64.3	16	3	1938	1722	1397	
13	194498	93	16	2	1809	1436	-	
14	346078	97.6	16	3	1669	1754	1292	
15	500948	64	16	1	1146	-	-	
16	23374	90.6	16	2	1168	1066	-	
17	175980	99.1	16	2	1014	1327	-	
18	327768	54.7	16	3	1261	1095	1560	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence				
1	5510.0	9	1.0	333	1	5286	5493	5409	5400	5370
						5588	5607	5455	5573	5501
						5630	5485	5513	5484	5600
						5265	5482	5628	5576	5454
						5657	5721	5465	5500	5379
						5533	5692	5308	5433	5715
						5508	5315	5639	5655	5281
						5401	5656	5431	5437	5297
						5278	5659	5614	5642	5271
						5584	5603	5713	5456	5675
						5451	5594	5291	5625	5716
						5402	5640	5397	5487	5511
						5389	5324	5545	5667	5292
						5574	5645	5610	5531	5708
						5559	5609	5377	5555	5252
						5382	5558	5287	5438	5408
						5274	5478	5507	5601	5516
						5290	5632	5492	5520	5637
						5444	5329	5542	5328	5486
						5633	5652	5706	5566	5529
						(number of hits: 9)				
2	5510.0	9	1.0	333	1	5357	5450	5723	5664	5278
						5597	5449	5373	5684	5274
						5515	5634	5594	5543	5341
						5614	5451	5367	5577	5492
						5353	5259	5696	5356	5620
						5656	5345	5429	5615	5471
						5539	5435	5609	5689	5528
						5595	5419	5319	5394	5488
						5271	5628	5629	5486	5439
						5598	5267	5447	5638	5704
						5650	5677	5591	5602	5514
						5348	5576	5714	5391	5444
						5599	5270	5483	5560	5460
						5330	5372	5630	5362	5445
						5382	5320	5339	5547	5452
						5264	5369	5261	5623	5516
						5258	5643	5569	5257	5522
						5430	5366	5527	5275	5297

						5711	5416	5276	5359	5476
						5459	5335	5509	5518	5607
						(number of hits: 7)				
3	5510.0	9	1.0	333	1	5612	5689	5659	5350	5595
						5639	5374	5448	5372	5481
						5349	5423	5635	5263	5362
						5702	5578	5470	5525	5684
						5361	5425	5637	5445	5593
						5544	5672	5632	5341	5505
						5581	5324	5566	5429	5680
						5415	5558	5410	5665	5660
						5564	5334	5424	5679	5671
						5427	5721	5287	5703	5467
						5303	5565	5437	5302	5561
						5482	5301	5314	5357	5625
						5456	5308	5294	5394	5418
						5530	5609	5274	5619	5438
						5560	5588	5723	5695	5592
						5636	5304	5624	5461	5582
						5513	5686	5493	5363	5722
						5653	5614	5296	5443	5457
						5370	5524	5557	5641	5465
						5369	5299	5618	5535	5662
						(number of hits: 5)				
4	5510.0	9	1.0	333	1	5392	5453	5595	5511	5340
						5303	5396	5523	5535	5310
						5280	5687	5676	5458	5383
						5693	5608	5573	5570	5401
						5369	5591	5675	5437	5566
						5335	5621	5360	5445	5539
						5720	5688	5644	5454	5613
						5600	5501	5461	5416	5671
						5403	5417	5362	5347	5592
						5503	5407	5426	5723	5281
						5354	5343	5479	5519	5623
						5505	5670	5255	5286	5328
						5721	5315	5317	5379	5351
						5495	5404	5552	5313	5424
						5563	5699	5654	5561	5447
						5605	5616	5692	5294	5375
						5653	5442	5456	5259	5635
						5325	5421	5297	5377	5331
						5471	5306	5656	5252	5649

						5717	5664	5274	5553	5449
						(number of hits: 7)				
5	5510.0	9	1.0	333	1	5550	5692	5531	5672	5657
						5345	5321	5501	5698	5517
						5589	5573	5717	5653	5404
						5306	5260	5579	5615	5593
						5377	5660	5616	5526	5539
						5473	5563	5549	5287	5674
						5480	5384	5606	5433	5264
						5689	5257	5569	5585	5500
						5300	5587	5432	5290	5509
						5334	5619	5694	5655	5570
						5712	5423	5352	5383	5684
						5597	5580	5299	5375	5262
						5440	5680	5297	5318	5292
						5393	5572	5296	5355	5385
						5507	5663	5664	5675	5516
						5401	5590	5586	5327	5716
						5357	5259	5556	5395	5319
						5545	5575	5496	5477	5340
						5441	5666	5648	5647	5532
						5552	5582	5413	5530	5418
						(number of hits: 8)				
6	5510.0	9	1.0	333	1	5330	5456	5467	5261	5402
						5387	5343	5576	5289	5724
						5520	5362	5283	5373	5425
						5394	5682	5563	5310	5288
						5351	5557	5518	5512	5489
						5325	5669	5653	5607	5329
						5340	5502	5380	5253	5403
						5305	5625	5344	5499	5556
						5583	5713	5352	5683	5264
						5270	5592	5364	5290	5506
						5473	5356	5621	5326	5721
						5296	5571	5638	5312	5399
						5504	5645	5272	5718	5519
						5716	5429	5404	5566	5536
						5554	5493	5666	5513	5651
						5475	5424	5636	5567	5331
						5606	5304	5354	5454	5459
						5712	5282	5447	5633	5426
						5318	5395	5661	5580	5277
						5323	5632	5545	5414	5655
						(number of hits: 10)				

7	5510.0	9	1.0	333	1	5585	5695	5403	5422	5719
						5429	5268	5651	5452	5456
						5451	5626	5324	5471	5446
						5482	5514	5310	5608	5502
						5296	5420	5595	5607	5485
						5377	5274	5397	5379	5641
						5468	5549	5297	5717	5532
						5542	5396	5421	5497	5510
						5395	5288	5495	5680	5668
						5250	5675	5325	5343	5349
						5672	5415	5447	5618	5284
						5592	5596	5619	5633	5335
						5724	5579	5286	5342	5287
						5368	5614	5458	5339	5479
						5669	5362	5627	5434	5544
						5304	5548	5450	5587	5295
						5367	5254	5649	5459	5554
						5639	5598	5380	5566	5593
						5351	5586	5311	5385	5700
						5407	5713	5443	5393	5283
						(number of hits: 5)				
8	5510.0	9	1.0	333	1	5365	5459	5436	5583	5464
						5568	5290	5251	5615	5285
						5415	5666	5467	5473	5641
						5413	5653	5694	5304	5586
						5536	5599	5458	5265	5601
						5600	5483	5675	5510	5438
						5254	5457	5306	5271	5584
						5487	5692	5650	5424	5331
						5371	5492	5260	5677	5597
						5705	5283	5383	5396	5658
						5700	5708	5723	5270	5562
						5472	5546	5590	5287	5500
						5669	5411	5255	5707	5543
						5711	5404	5446	5253	5617
						5698	5465	5294	5686	5603
						5393	5718	5664	5350	5529
						5674	5560	5368	5527	5369
						5362	5493	5305	5259	5466
						5431	5717	5516	5592	5345
						5494	5339	5462	5697	5372
						(number of hits: 6)				
9	5510.0	9	1.0	333	1	5620	5320	5372	5269	5306

						5610	5690	5326	5303	5492
						5691	5679	5503	5386	5488
						5561	5671	5516	5698	5508
						5655	5477	5688	5431	5531
						5550	5328	5587	5709	5552
						5327	5686	5672	5458	5469
						5723	5578	5585	5425	5338
						5645	5454	5430	5500	5674
						5429	5685	5366	5441	5449
						5448	5479	5409	5299	5568
						5660	5407	5319	5665	5614
						5718	5653	5440	5656	5523
						5420	5392	5548	5297	5438
						5482	5352	5590	5309	5493
						5510	5354	5573	5624	5623
						5564	5265	5335	5268	5451
						5385	5490	5611	5681	5598
						5282	5347	5603	5356	5517
						5336	5254	5489	5521	5696
						(number of hits: 9)				
10	5510.0	9	1.0	333	1	5303	5559	5308	5430	5526
						5652	5712	5401	5466	5699
						5622	5565	5544	5581	5509
						5649	5323	5522	5646	5700
						5698	5346	5418	5680	5404
						5419	5402	5531	5691	5268
						5594	5313	5643	5315	5707
						5289	5387	5669	5381	5578
						5349	5484	5537	5368	5265
						5671	5358	5665	5449	5499
						5502	5335	5355	5585	5350
						5304	5391	5353	5276	5454
						5597	5528	5532	5448	5656
						5647	5479	5599	5567	5609
						5379	5488	5415	5464	5534
						5397	5287	5458	5311	5429
						5539	5491	5606	5683	5405
						5690	5653	5720	5274	5328
						5299	5436	5263	5431	5371
						5604	5316	5607	5615	5373
						(number of hits: 5)				
11	5510.0	9	1.0	333	1					
						5558	5323	5719	5591	5368
						5694	5637	5476	5532	5528

						5456	5354	5585	5301	5530
						5262	5450	5625	5691	5417
						5706	5415	5294	5377	5685
						5254	5302	5258	5677	5600
						5384	5487	5429	5382	5652
						5256	5263	5717	5306	5408
						5290	5665	5548	5460	5555
						5286	5401	5393	5592	5675
						5464	5690	5250	5406	5577
						5520	5601	5479	5305	5642
						5293	5698	5404	5633	5400
						5611	5434	5270	5431	5452
						5682	5569	5383	5318	5661
						5379	5338	5576	5643	5291
						5390	5511	5629	5536	5707
						5253	5489	5724	5627	5271
						5607	5590	5695	5539	5411
						5388	5606	5523	5546	5355
						(number of hits: 3)				
12	5510.0	9	1.0	333	1	5338	5562	5655	5277	5588
						5358	5659	5551	5695	5260
						5387	5618	5626	5399	5253
						5577	5261	5609	5617	5581
						5397	5286	5350	5573	5678
						5365	5521	5336	5300	5566
						5557	5270	5633	5307	5568
						5473	5448	5506	5652	5259
						5325	5719	5648	5287	5594
						5528	5615	5518	5511	5487
						5582	5462	5452	5482	5415
						5619	5362	5405	5544	5377
						5706	5685	5546	5311	5703
						5591	5507	5354	5530	5682
						5705	5500	5460	5410	5704
						5400	5572	5550	5635	5331
						5442	5543	5401	5296	5433
						5351	5455	5607	5441	5284
						5449	5701	5713	5274	5407
						5255	5505	5569	5323	5262
						(number of hits: 7)				
13	5510.0	9	1.0	333	1	5593	5326	5591	5438	5430
						5400	5584	5626	5383	5467
						5318	5407	5667	5594	5572

						5341	5704	5356	5306	5625
						5650	5338	5375	5323	5364
						5530	5568	5370	5342	5552
						5514	5485	5310	5602	5707
						5564	5659	5663	5573	5408
						5657	5413	5284	5523	5508
						5698	5576	5277	5361	5638
						5503	5668	5713	5466	5365
						5316	5595	5363	5348	5360
						5491	5618	5529	5534	5317
						5456	5390	5265	5372	5399
						5589	5309	5386	5369	5692
						5396	5531	5412	5441	5464
						5614	5546	5314	5550	5475
						5395	5532	5647	5391	5719
						5699	5631	5521	5262	5336
						5403	5451	5329	5460	5504
						(number of hits: 6)				
14	5510.0	9	1.0	333	1	5276	5565	5527	5502	5650
						5442	5606	5701	5546	5296
						5627	5671	5708	5314	5593
						5429	5259	5459	5254	5518
						5633	5341	5376	5367	5252
						5479	5404	5481	5441	5471
						5603	5559	5325	5371	5655
						5612	5337	5577	5412	5588
						5595	5653	5281	5355	5488
						5306	5537	5617	5639	5712
						5339	5554	5282	5536	5410
						5553	5270	5310	5560	5319
						5489	5540	5533	5450	5615
						5405	5426	5572	5264	5288
						5575	5362	5622	5716	5539
						5512	5664	5454	5299	5611
						5686	5449	5689	5374	5267
						5440	5446	5305	5370	5556
						5250	5258	5513	5538	5317
						5320	5301	5430	5432	5280
						(number of hits: 5)				
15	5510.0	9	1.0	333	1	5531	5329	5463	5663	5492
						5484	5301	5612	5503	5558
						5557	5274	5509	5614	5517
						5386	5465	5299	5710	5544

						5507	5317	5456	5269	5615
						5331	5499	5455	5341	5523
						5330	5428	5343	5711	5620
						5413	5271	5408	5587	5491
						5251	5671	5436	5321	5278
						5284	5468	5389	5595	5670
						5429	5588	5515	5605	5371
						5262	5257	5266	5602	5500
						5379	5668	5521	5705	5478
						5354	5365	5307	5534	5566
						5640	5561	5606	5385	5716
						5581	5685	5360	5585	5493
						5344	5564	5260	5687	5608
						5352	5337	5459	5308	5400
						5553	5665	5721	5353	5298
						5555	5372	5304	5296	5312
						(number of hits: 10)				
16	5510.0	9	1.0	333	1	5311	5568	5399	5349	5712
						5623	5553	5376	5300	5710
						5392	5346	5315	5704	5635
						5508	5513	5344	5427	5552
						5576	5258	5448	5717	5406
						5658	5605	5559	5375	5565
						5316	5385	5558	5485	5343
						5459	5301	5265	5502	5279
						5374	5561	5275	5591	5472
						5653	5723	5464	5691	5656
						5460	5560	5676	5357	5556
						5690	5673	5639	5650	5395
						5423	5686	5579	5469	5542
						5303	5401	5614	5329	5272
						5547	5609	5709	5692	5540
						5557	5480	5253	5474	5596
						5674	5516	5627	5698	5352
						5470	5397	5554	5273	5354
						5388	5411	5359	5655	5600
						5572	5669	5291	5638	5487
						(number of hits: 4)				
17	5510.0	9	1.0	333	1	5566	5332	5335	5510	5554
						5665	5478	5451	5463	5539
						5323	5610	5453	5327	5656
						5596	5640	5671	5389	5716
						5560	5267	5296	5537	5690

						5294	5607	5333	5663	5409
						5704	5680	5342	5298	5637
						5638	5691	5550	5572	5418
						5416	5501	5362	5312	5326
						5369	5520	5428	5555	5614
						5301	5581	5718	5392	5707
						5646	5383	5523	5545	5405
						5492	5304	5368	5518	5502
						5415	5365	5252	5437	5349
						5696	5309	5630	5709	5558
						5668	5499	5526	5600	5299
						5455	5373	5687	5297	5316
						5338	5505	5255	5360	5271
						5616	5477	5683	5576	5263
						5440	5686	5482	5567	5270
						(number of hits: 9)				
18	5510.0	9	1.0	333	1	5724	5571	5271	5671	5299
						5707	5500	5526	5626	5254
						5399	5494	5522	5677	5684
						5292	5337	5433	5471	5336
						5712	5529	5663	5560	5459
						5536	5443	5666	5416	5411
						5361	5258	5641	5368	5668
						5330	5340	5542	5250	5469
						5366	5449	5311	5638	5672
						5257	5468	5594	5568	5283
						5260	5681	5467	5464	5498
						5689	5484	5410	5350	5328
						5458	5566	5676	5376	5656
						5491	5353	5478	5616	5310
						5644	5398	5720	5442	5436
						5625	5322	5553	5383	5502
						5613	5633	5629	5420	5581
						5359	5406	5266	5371	5675
						5721	5703	5537	5465	5627
						5369	5694	5407	5447	5316
						(number of hits: 6)				
19	5510.0	9	1.0	333	1	5504	5335	5682	5357	5519
						5371	5425	5601	5692	5478
						5563	5663	5535	5717	5698
						5297	5322	5402	5382	5625
						5479	5502	5653	5618	5636
						5448	5408	5264	5493	5477

						5313	5555	5256	5631	5656
						5397	5257	5261	5346	5341
						5654	5709	5363	5281	5291
						5721	5255	5310	5258	5470
						5269	5334	5349	5407	5314
						5446	5418	5688	5508	5455
						5562	5415	5355	5279	5629
						5404	5389	5412	5488	5383
						5550	5602	5337	5634	5620
						5417	5367	5365	5432	5547
						5561	5499	5430	5633	5568
						5558	5449	5410	5498	5701
						5431	5377	5679	5720	5592
						5434	5606	5472	5405	5648
						(number of hits: 7)				
20	5510.0	9	1.0	333	1	5284	5574	5618	5518	5361
						5413	5447	5676	5380	5307
						5494	5452	5576	5437	5719
						5288	5449	5408	5427	5342
						5487	5571	5691	5610	5609
						5714	5260	5467	5597	5511
						5444	5688	5371	5337	5476
						5536	5348	5532	5499	5255
						5493	5708	5601	5474	5360
						5685	5271	5329	5363	5620
						5346	5445	5385	5438	5705
						5258	5634	5372	5403	5327
						5426	5594	5580	5300	5586
						5552	5350	5590	5351	5698
						5653	5434	5340	5483	5596
						5376	5388	5631	5495	5557
						5711	5624	5496	5625	5410
						5443	5275	5414	5364	5424
						5480	5646	5464	5262	5647
						5418	5261	5488	5575	5615
						(number of hits: 7)				
21	5510.0	9	1.0	333	1	5539	5338	5554	5582	5581
						5455	5372	5276	5543	5514
						5425	5617	5535	5265	5376
						5576	5511	5375	5534	5398
						5262	5632	5699	5602	5587
						5670	5701	5545	5494	5430
						5645	5586	5489	5674	5675

						5536	5328	5274	5644	5332
						5413	5714	5357	5517	5251
						5412	5416	5410	5600	5524
						5436	5527	5528	5580	5347
						5326	5593	5397	5723	5270
						5720	5418	5378	5393	5523
						5387	5530	5448	5615	5316
						5671	5440	5475	5335	5683
						5508	5299	5476	5334	5555
						5371	5400	5687	5493	5345
						5439	5349	5406	5370	5282
						5415	5519	5719	5286	5486
						5680	5346	5279	5702	5402
						(number of hits: 10)				
22	5510.0	9	1.0	333	1	5319	5577	5490	5268	5423
						5497	5394	5351	5706	5721
						5259	5602	5658	5255	5286
						5464	5703	5614	5420	5251
						5406	5331	5573	5691	5555
						5536	5301	5330	5579	5704
						5263	5494	5717	5627	5599
						5427	5655	5496	5477	5382
						5451	5446	5495	5332	5469
						5297	5476	5700	5487	5713
						5524	5535	5280	5308	5343
						5271	5377	5532	5287	5250
						5679	5339	5472	5265	5340
						5418	5485	5657	5443	5656
						5294	5652	5628	5345	5457
						5586	5665	5467	5372	5540
						5439	5666	5369	5562	5722
						5292	5442	5492	5617	5606
						5585	5393	5282	5483	5629
						5349	5306	5633	5690	5334
						(number of hits: 5)				
23	5510.0	9	1.0	333	1	5477	5341	5426	5429	5643
						5636	5319	5297	5453	5665
						5391	5699	5450	5307	5552
						5355	5717	5465	5443	5414
						5497	5514	5305	5528	5281
						5388	5504	5434	5613	5578
						5683	5559	5444	5415	5692
						5381	5718	5492	5580	5569

						5582	5579	5318	5622	5448
						5375	5686	5293	5522	5562
						5352	5401	5538	5327	5371
						5626	5709	5498	5637	5506
						5697	5707	5557	5602	5285
						5340	5421	5362	5572	5610
						5696	5543	5408	5427	5253
						5524	5273	5488	5438	5363
						5678	5631	5435	5390	5260
						5342	5508	5279	5590	5420
						5262	5616	5651	5694	5410
						5337	5467	5527	5328	5409
						(number of hits: 9)				
24	5510.0	9	1.0	333	1	5257	5580	5362	5590	5485
						5678	5341	5501	5460	5282
						5499	5655	5265	5645	5328
						5543	5385	5345	5510	5325
						5566	5552	5297	5644	5337
						5707	5635	5647	5717	5669
						5516	5659	5664	5512	5520
						5334	5288	5355	5483	5421
						5662	5256	5387	5445	5682
						5569	5661	5351	5478	5449
						5606	5577	5589	5416	5375
						5315	5339	5663	5688	5456
						5652	5486	5428	5706	5638
						5370	5398	5307	5502	5251
						5546	5403	5687	5493	5296
						5534	5419	5615	5313	5320
						5498	5720	5447	5392	5374
						5555	5691	5306	5601	5588
						5427	5451	5425	5685	5651
						5308	5283	5701	5410	5404
						(number of hits: 9)				
25	5510.0	9	1.0	333	1	5512	5441	5298	5276	5705
						5720	5363	5576	5623	5489
						5430	5444	5403	5365	5349
						5631	5351	5458	5449	5333
						5257	5493	5386	5474	5435
						5664	5264	5681	5284	5558
						5473	5399	5341	5710	5562
						5425	5559	5508	5494	5260
						5367	5669	5627	5442	5611

						5549	5269	5409	5531	5714
						5482	5278	5640	5505	5673
						5637	5527	5617	5306	5653
						5659	5289	5552	5694	5318
						5274	5364	5319	5337	5614
						5297	5302	5323	5712	5581
						5379	5646	5416	5677	5400
						5392	5326	5445	5484	5658
						5384	5272	5452	5566	5423
						5464	5280	5471	5607	5622
						5630	5340	5447	5532	5615
						(number of hits: 6)				
26	5510.0	9	1.0	333	1	5292	5680	5709	5437	5547
						5287	5288	5651	5311	5696
						5361	5330	5444	5463	5370
						5719	5639	5454	5503	5641
						5341	5423	5434	5378	5447
						5323	5516	5638	5368	5715
						5326	5430	5517	5590	5530
						5701	5452	5661	5408	5671
						5450	5607	5295	5439	5443
						5529	5352	5584	5601	5358
						5691	5496	5581	5571	5472
						5533	5321	5717	5625	5652
						5695	5662	5268	5373	5349
						5567	5483	5395	5698	5649
						5258	5605	5334	5536	5723
						5381	5436	5551	5721	5467
						5623	5606	5415	5388	5379
						5712	5478	5636	5613	5656
						5512	5449	5558	5502	5546
						5718	5572	5498	5707	5509
						(number of hits: 8)				
27	5510.0	9	1.0	333	1	5450	5444	5645	5598	5292
						5426	5310	5251	5377	5525
						5670	5594	5485	5658	5391
						5332	5291	5557	5548	5358
						5252	5492	5472	5467	5420
						5589	5465	5269	5274	5433
						5387	5257	5267	5350	5365
						5704	5723	5339	5322	5510
						5533	5545	5535	5372	5509
						5435	5428	5637	5709	5630

						5305	5697	5686	5504	5407
						5584	5457	5478	5641	5388
						5692	5409	5656	5459	5286
						5564	5684	5652	5657	5681
						5362	5324	5546	5482	5715
						5309	5378	5662	5526	5475
						5256	5430	5676	5326	5619
						5593	5297	5461	5575	5500
						5691	5346	5392	5496	5255
						5360	5460	5338	5333	5385
						(number of hits: 7)				
28	5510.0	9	1.0	333	1	5705	5683	5581	5284	5609
						5468	5710	5326	5540	5257
						5601	5383	5526	5378	5412
						5323	5418	5660	5593	5550
						5260	5658	5413	5459	5393
						5477	5317	5472	5673	5308
						5507	5322	5344	5516	5548
						5504	5320	5519	5589	5711
						5349	5616	5483	5300	5530
						5301	5489	5518	5486	5690
						5278	5488	5331	5318	5394
						5520	5372	5382	5401	5475
						5579	5572	5529	5289	5684
						5686	5641	5348	5391	5254
						5564	5636	5292	5277	5506
						5685	5523	5650	5437	5343
						5576	5559	5263	5404	5387
						5438	5570	5696	5384	5258
						5496	5491	5625	5627	5654
						5592	5612	5449	5590	5591
						(number of hits: 10)				
29	5510.0	9	1.0	333	1	5485	5447	5517	5348	5354
						5510	5257	5401	5703	5464
						5532	5647	5567	5573	5433
						5411	5448	5288	5541	5267
						5268	5252	5548	5366	5365
						5266	5675	5302	5342	5549
						5308	5301	5687	5668	5368
						5546	5315	5722	5663	5321
						5421	5443	5527	5608	5469
						5601	5543	5364	5507	5369
						5483	5343	5694	5707	5336

						5591	5307	5446	5708	5262
						5571	5693	5702	5630	5412
						5590	5384	5698	5621	5367
						5330	5278	5280	5355	5661
						5482	5619	5324	5580	5353
						5669	5519	5568	5275	5674
						5429	5326	5498	5665	5564
						5338	5506	5656	5253	5536
						5679	5609	5667	5565	5487
						(number of hits: 7)				
30	5510.0	9	1.0	333	1	5265	5686	5453	5509	5671
						5552	5657	5476	5391	5293
						5366	5436	5608	5454	5499
						5575	5294	5586	5459	5654
						5418	5392	5637	5339	5631
						5593	5403	5406	5376	5688
						5672	5258	5330	5442	5566
						5685	5502	5683	5420	5636
						5404	5359	5524	5537	5449
						5684	5505	5321	5430	5715
						5669	5641	5638	5290	5306
						5601	5320	5362	5427	5516
						5525	5528	5576	5710	5539
						5323	5433	5416	5645	5402
						5264	5380	5679	5441	5491
						5444	5723	5605	5304	5300
						5635	5595	5272	5394	5332
						5643	5461	5382	5529	5389
						5514	5346	5259	5598	5691
						5722	5549	5385	5365	5655
						(number of hits: 8)				

AP Mode

Cobalt Radio

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	96.7 %	60%	Pass
Type 2	30	86.7 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	96.7 %	60%	Pass
Aggregate (Type 1 to 4)	120	91.7 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Table-1A/1B Radar Type 1A/1B Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	68	1.0	778	1
2	62	1.0	858	1
3	99	1.0	538	1
4	57	1.0	938	1
5	70	1.0	758	1
6	72	1.0	738	1
7	18	1.0	3066	1
8	78	1.0	678	1
9	74	1.0	718	0
10	65	1.0	818	1
11	58	1.0	918	1
12	83	1.0	638	1
13	86	1.0	618	1
14	63	1.0	838	1
15	61	1.0	878	1
16	31	1.0	1716	1
17	25	1.0	2182	1
18	92	1.0	577	1
19	21	1.0	2583	1
20	23	1.0	2310	1
21	36	1.0	1501	1
22	27	1.0	1965	1
23	53	1.0	1011	1
24	24	1.0	2233	1
25	23	1.0	2317	1
26	97	1.0	549	1
27	46	1.0	1172	1
28	22	1.0	2486	1
29	47	1.0	1128	1
30	37	1.0	1461	1
Detection Percentage: 96.7 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	24	4.1	204	1
2	23	3	192	1
3	26	3	157	0
4	28	1.9	195	1
5	27	3.5	230	1
6	26	2.9	214	1
7	25	5	175	1
8	29	5	179	1
9	23	2.7	225	0
10	27	1.2	158	1
11	23	3.7	205	1
12	24	3.8	194	1
13	25	3.7	210	1
14	29	1.3	184	1
15	27	2	223	0
16	27	1.1	178	1
17	24	2.3	174	1
18	27	3	219	1
19	27	4.4	165	0
20	27	3.8	156	1
21	29	2.5	224	1
22	23	1.1	167	1
23	24	4.7	227	1
24	25	4.5	161	1
25	28	4.1	168	1
26	24	3.5	212	1
27	28	3.7	187	1
28	25	2.3	226	1
29	28	4.5	207	1
30	29	4.6	217	1
Detection Percentage: 86.7 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	8.4	221	1
2	16	9.9	319	1
3	17	7.9	308	1
4	18	9.1	370	1
5	17	8.5	244	1
6	17	7.3	459	0
7	17	6.2	306	1
8	18	6.6	438	1
9	16	6.4	302	1
10	17	8.7	315	0
11	16	8.9	433	1
12	16	8.1	235	1
13	16	9.7	448	1
14	18	7.8	203	1
15	18	7.8	371	1
16	17	9.1	493	0
17	16	9.4	394	0
18	17	6.5	266	1
19	18	7.4	476	1
20	18	7.3	246	1
21	18	7.9	304	1
22	16	9.1	442	1
23	16	8.9	314	1
24	17	9.8	202	1
25	18	6.3	388	1
26	16	9.5	361	1
27	18	8.8	489	1
28	16	9.9	408	1
29	18	6.3	284	1
30	18	7.5	223	1
Detection Percentage: 86.7 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5570 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	13	11.6	418	1
2	12	17.5	237	1
3	14	14.5	231	1
4	15	17.1	410	1
5	15	18.8	229	1
6	14	15.1	355	1
7	13	18.6	395	1
8	16	15.7	390	1
9	12	12.6	375	1
10	15	15.9	471	1
11	12	18.3	371	1
12	13	15.2	427	1
13	13	16.1	264	1
14	16	17.2	248	1
15	15	12.2	202	1
16	15	18.4	444	1
17	13	11.1	337	1
18	15	12.2	363	0
19	15	17.9	214	1
20	15	14.3	273	1
21	16	17.8	376	1
22	12	17.7	208	1
23	12	17.1	424	1
24	13	15.1	329	1
25	15	13.5	265	1
26	12	15.1	278	1
27	15	16.9	477	1
28	13	18.2	212	1
29	16	17.3	281	1
30	16	11.3	284	1
Detection Percentage: 96.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530.0	1
2	5530.0	1
3	5530.0	1
4	5530.0	1
5	5530.0	1
6	5530.0	1
7	5530.0	1
8	5530.0	1
9	5530.0	1
10	5530.0	1
11	5496.0	1
12	5495.0	1
13	5498.0	1
14	5500.0	1
15	5494.0	1
16	5498.0	1
17	5497.0	1
18	5496.0	1
19	5499.0	1
20	5498.0	1
21	5562.0	1
22	5565.0	1
23	5561.0	1
24	5560.0	1
25	5562.0	1
26	5560.0	1
27	5562.0	1
28	5564.0	1
29	5561.0	1
30	5562.0	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	486393	80.9	15	1	1198	-	-	1
1	750774	52.9	15	1	1065	-	-	
2	1013747	91.7	15	2	1179	1334	-	
3	188921	92.7	15	3	1747	1261	1800	
4	453085	98.9	15	2	1531	1476	-	
5	716874	61.8	15	2	1588	1512	-	
6	981281	77.3	15	2	1308	1150	-	
7	156462	97.4	15	3	1749	1365	1780	
8	421067	74.7	15	1	1759	-	-	
9	684632	73.1	15	2	1226	1468	-	
10	949640	53.3	15	1	1453	-	-	

Bin5 Statistics 2

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	152133	92	16	1	1114	-	-	1
1	474969	89.9	16	1	1871	-	-	
2	796371	88.3	16	3	1447	1895	1064	
3	1117643	82	16	3	1839	1853	1943	
4	112181	50.7	16	2	1772	1162	-	
5	435314	75.6	16	1	1498	-	-	
6	756983	53.2	16	2	1938	1919	-	
7	1079391	96.3	16	3	1080	1544	1272	
8	72340	57.9	16	3	1961	1058	1680	

Bin5 Statistics 3

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	253145	80.1	5	3	1511	1516	1715	1
1	461642	92.9	5	1	1473	-	-	
2	669229	56.9	5	1	1397	-	-	
3	21002	67.2	5	2	1311	1154	-	
4	227697	76.2	5	3	1663	1315	1700	
5	436311	65.3	5	1	1020	-	-	
6	640676	57.8	5	3	1573	1811	1985	
7	851025	91.4	5	1	1582	-	-	
8	202289	97.8	5	3	1620	1539	1270	
9	408571	98.9	5	3	1910	1859	1761	
10	617006	87.6	5	2	1567	1343	-	
11	822853	78.7	5	3	1576	1644	1070	
12	176929	90.6	5	3	1458	1346	1072	
13	384738	56	5	1	1954	-	-	

Bin5 Statistics 4

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	458185	79.9	17	3	1801	1959	1190	1
1	619228	61.3	17	3	1654	1398	1303	
2	117455	94.9	17	3	1837	1163	1881	
3	279452	56	17	1	1325	-	-	
4	439992	89.6	17	2	1395	1178	-	
5	600677	57.1	17	2	1883	1108	-	
6	98205	52.1	17	1	1350	-	-	
7	258073	65.2	17	3	1964	1422	1790	
8	418796	96.3	17	3	1101	1659	1956	
9	581309	86.1	17	2	1159	1307	-	
10	78076	65.4	17	2	1737	1765	-	
11	238651	67.4	17	3	1942	1222	1068	
12	399302	91.9	17	3	1025	1351	1874	
13	561425	66	17	2	1331	1184	-	
14	58456	73.9	17	1	1317	-	-	
15	219164	83.4	17	2	1957	1360	-	
16	380194	72.7	17	2	1081	1980	-	
17	542258	64.4	17	1	1689	-	-	

Bin5 Statistics 5

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	43338	77.3	8	2	1172	1418	-	1
1	223670	68.8	8	3	1948	1789	1975	
2	405553	75.9	8	2	1496	1694	-	
3	587687	88.1	8	1	1905	-	-	
4	20968	96	8	3	1164	1029	1858	
5	202566	74.5	8	1	1533	-	-	
6	382470	66.5	8	3	1953	1492	1249	
7	564697	83.6	8	2	1353	1400	-	
8	745555	53.9	8	2	1393	1734	-	
9	180115	86	8	1	1912	-	-	
10	361775	99.7	8	1	1446	-	-	
11	543409	75.8	8	1	1327	-	-	
12	725154	85.6	8	1	1153	-	-	
13	157846	74.7	8	1	1532	-	-	
14	339045	51.4	8	2	1236	1019	-	
15	521249	83.8	8	1	1031	-	-	

Bin5 Statistics 6

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	861847	58.4	16	3	1590	1720	1430	1
1	166142	70.7	16	3	1944	1630	1681	
2	389316	55.8	16	3	1520	1240	1142	
3	613651	69.6	16	1	1791	-	-	
4	836922	63.6	16	1	1978	-	-	
5	139333	89.1	16	1	1220	-	-	
6	362212	55.8	16	2	1215	1783	-	
7	584637	64.8	16	3	1229	1157	1748	
8	808307	96.7	16	2	1594	1633	-	
9	111350	70.9	16	3	1947	1321	1604	
10	334289	51.7	16	3	1213	1741	1243	
11	558571	58.8	16	1	1847	-	-	
12	781076	73.5	16	2	1265	1669	-	

Bin5 Statistics 7

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	91253	91.9	20	1	1553	-	-	1
1	333524	67.4	20	1	1207	-	-	
2	574831	64.3	20	2	1465	1357	-	
3	816598	76.2	20	2	1185	1736	-	
4	61378	73.1	20	2	1087	1228	-	
5	302976	51.4	20	2	1854	1686	-	
6	545761	71.8	20	1	1505	-	-	
7	786358	80.2	20	2	1817	1677	-	
8	31519	91.9	20	3	1426	1129	1470	
9	272981	65.4	20	3	1423	1906	1037	
10	514320	70.4	20	3	1897	1388	1339	
11	758277	89.6	20	1	1269	-	-	

Bin5 Statistics 8

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1061	56	16	1	1116	-	-	1
1	145505	53.1	16	3	1254	1277	1879	
2	291555	66.2	16	1	1122	-	-	
3	434195	65.6	16	3	1678	1266	1752	
4	580492	70.5	16	2	1679	1044	-	
5	128284	50.5	16	1	1742	-	-	
6	273628	90.8	16	1	1200	-	-	
7	418510	66	16	1	1695	-	-	
8	563091	58	16	2	1214	1040	-	
9	110169	57.6	16	2	1538	1517	-	
10	254901	53.1	16	2	1971	1192	-	
11	399671	77.6	16	2	1775	1361	-	
12	545570	53	16	1	1885	-	-	
13	92552	50.8	16	1	1658	-	-	
14	237604	88.2	16	1	1821	-	-	
15	382964	62.9	16	1	1379	-	-	
16	527239	61	16	2	1088	1322	-	
17	74386	91.4	16	3	1086	1494	1409	
18	219995	75.1	16	1	1110	-	-	
19	365017	72.7	16	1	1483	-	-	

Bin5 Statistics 9

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1132540	57.6	5	3	2000	1413	1273	1
1	126129	60.1	5	3	1705	1000	1997	
2	449438	62.1	5	1	1519	-	-	
3	770719	68.5	5	3	1408	1441	1646	
4	1094226	85.3	5	2	1076	1934	-	
5	86461	99.6	5	3	1739	1173	1421	
6	408808	62.4	5	3	1504	1518	1239	
7	730776	73.2	5	3	1373	1591	1977	
8	1054944	79.7	5	2	1181	1248	-	

Bin5 Statistics 10

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	26208	53.5	19	3	1793	1585	1733	1
1	207842	66.6	19	1	1600	-	-	
2	389252	55.3	19	1	1792	-	-	
3	570595	85.5	19	1	1951	-	-	
4	3974	80.1	19	1	1489	-	-	
5	185546	57.6	19	1	1349	-	-	
6	366832	86	19	1	1930	-	-	
7	548491	89.6	19	1	1619	-	-	
8	730243	99.3	19	1	1366	-	-	
9	162468	76.2	19	3	1503	1380	1735	
10	344207	70.3	19	2	1033	1499	-	
11	524033	61	19	3	1587	1602	1419	
12	705266	92.9	19	3	1326	1158	1645	
13	140840	65.4	19	1	1218	-	-	
14	320962	84.2	19	3	1456	1232	1968	
15	501411	64.2	19	3	1367	1845	1921	

Bin5 Statistics 11

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1369520	86.8	11	3	1160	1903	1314	1
1	237076	73.1	11	1	1577	-	-	
2	600429	72.3	11	1	1731	-	-	
3	964031	63.3	11	1	1382	-	-	
4	1324802	58.8	11	3	1477	1043	1901	
5	192370	69.2	11	1	1126	-	-	
6	555822	50.4	11	1	1320	-	-	
7	917028	90.3	11	3	1640	1558	1825	

Bin5 Statistics 12

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	931402	97.7	7	2	1729	1015	-	1
1	107231	81.9	7	1	1924	-	-	
2	371356	95.9	7	1	1888	-	-	
3	634881	91	7	2	1768	1144	-	
4	899871	97.7	7	1	1560	-	-	
5	74758	80.3	7	1	1049	-	-	
6	338470	70.9	7	2	1375	1647	-	
7	602820	88.1	7	2	1085	1028	-	
8	867392	67.5	7	1	1479	-	-	
9	42109	86.3	7	2	1674	1711	-	
10	305464	54.5	7	3	1770	1195	1855	

Bin5 Statistics 13

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	523092	91.1	15	1	1319	-	-	1
1	763838	97.9	15	2	1583	1648	-	
2	8819	92.2	15	2	1515	1491	-	
3	251058	73	15	1	1268	-	-	
4	491846	93.2	15	3	1374	1062	1740	
5	733101	52.2	15	3	1559	1763	1211	
6	977549	73.3	15	1	1454	-	-	
7	220943	61.8	15	2	1098	1429	-	
8	462103	65.2	15	3	1843	1219	1100	
9	702601	54.8	15	3	1963	1886	1762	
10	947368	61.7	15	1	1822	-	-	
11	190861	64.8	15	3	1530	1136	1340	

Bin5 Statistics 14

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	258521	94.7	19	3	1449	1563	1536	1
1	403728	78	19	2	1566	1814	-	
2	550148	54.2	19	1	1508	-	-	
3	96427	98.6	19	3	1105	1464	1300	
4	240725	76.5	19	3	1649	1436	1482	
5	385658	90.2	19	2	1769	1991	-	
6	529925	59.9	19	3	1118	1738	1286	
7	78485	70.8	19	3	1807	1296	1771	
8	223401	84.4	19	2	1642	1685	-	
9	369082	66.1	19	1	1756	-	-	
10	513823	65	19	2	1132	1034	-	
11	60934	87.8	19	2	1615	1024	-	
12	205298	98.2	19	3	1744	1145	1246	
13	351305	61.7	19	1	1595	-	-	
14	494064	95	19	3	1399	1527	1529	
15	42988	92	19	3	1280	1306	1442	
16	187599	69	19	3	1147	1584	1078	
17	333512	55.2	19	1	1444	-	-	
18	476181	82.2	19	3	1493	1652	1425	
19	25244	93.5	19	2	1332	1287	-	

Bin5 Statistics 15

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	212621	56.5	5	2	1412	1993	-	1
1	394056	60.9	5	2	1624	1095	-	
2	575473	93.2	5	2	1396	1092	-	
3	9252	66.4	5	2	1428	1377	-	
4	190585	94.7	5	2	1244	1113	-	
5	370739	50.1	5	3	1703	1774	1238	
6	553992	79.2	5	1	1338	-	-	
7	734988	61.1	5	1	1927	-	-	
8	167468	85.5	5	3	1907	1945	1976	
9	348572	57.4	5	3	1872	1199	1433	
10	531833	85.2	5	1	1047	-	-	
11	710016	85.5	5	3	1655	1115	1911	
12	146122	86	5	1	1289	-	-	
13	326768	67.1	5	2	1684	1753	-	
14	509421	51.2	5	1	1103	-	-	
15	691132	63	5	1	1016	-	-	

Bin5 Statistics 16

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	123254	93.4	15	3	1093	1661	1565	1
1	304778	81.7	15	2	1420	1250	-	
2	485016	94.4	15	3	1625	1347	1256	
3	668129	98	15	1	1719	-	-	
4	101066	57.6	15	2	1693	1972	-	
5	281557	65.5	15	3	1706	1777	1555	
6	464253	70.1	15	1	1784	-	-	
7	646066	74.9	15	1	1381	-	-	
8	79015	82.8	15	1	1345	-	-	
9	260548	54.3	15	1	1457	-	-	
10	442145	74.9	15	1	1369	-	-	
11	621687	81.4	15	3	1174	1487	1138	
12	56602	57.2	15	1	1962	-	-	
13	238069	81.4	15	1	1824	-	-	
14	418675	92.9	15	2	1537	1804	-	
15	600258	60	15	2	1664	1061	-	

Bin5 Statistics 17

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	49724	72.6	13	3	1955	1474	1651	1
1	313085	68.3	13	3	1216	1851	1967	
2	577412	58.3	13	2	1574	1637	-	
3	841460	83.8	13	2	1141	1750	-	
4	17303	84.8	13	3	1051	1484	1451	
5	280817	87.9	13	3	1862	1384	1124	
6	544987	53.9	13	2	1904	1169	-	
7	807558	76.4	13	3	1852	1197	1723	
8	1074271	61	13	1	1435	-	-	
9	248667	98.9	13	2	1241	1773	-	
10	513452	85.4	13	1	1027	-	-	

Bin5 Statistics 18

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	567687	77	11	3	1440	1462	1616	1
1	760907	81	11	3	1902	1054	1258	
2	158332	79.6	11	2	1556	1612	-	
3	352356	51.7	11	1	1431	-	-	
4	544500	81.1	11	2	1781	1894	-	
5	736594	60.5	11	3	1786	1751	1260	
6	134621	81.9	11	2	1402	1209	-	
7	328442	98.7	11	1	1568	-	-	
8	521693	87.3	11	2	1052	1120	-	
9	714807	60.8	11	2	1177	1424	-	
10	110705	84.3	11	2	1675	1622	-	
11	304569	85.8	11	1	1623	-	-	
12	497608	91	11	2	1509	1063	-	
13	692056	90.8	11	1	1364	-	-	
14	87063	68.2	11	1	1841	-	-	

Bin5 Statistics 19

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	247210	83.6	17	2	1656	1149	-	1
1	418340	90.3	17	1	1776	-	-	
2	587909	75.2	17	2	1309	1899	-	
3	55713	97.8	17	2	1008	1467	-	
4	226482	53.8	17	1	1946	-	-	
5	396755	54.1	17	2	1263	1488	-	
6	568533	64.5	17	1	1206	-	-	
7	34607	75.2	17	3	1627	1543	1188	
8	205628	62.8	17	1	1344	-	-	
9	375664	67.7	17	2	1724	1186	-	
10	544799	58.7	17	3	1253	1650	1755	
11	13662	67.4	17	3	1176	1370	1165	
12	184416	78.2	17	1	1973	-	-	
13	355553	55.4	17	1	1146	-	-	
14	526124	77.8	17	1	1614	-	-	
15	693913	68	17	3	1182	1523	1960	
16	163467	87	17	1	1629	-	-	

Bin5 Statistics 20

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	334177	58.8	14	1	1826	-	-	1
1	503113	80.2	14	3	1983	1089	1291	
2	673921	93.2	14	2	1950	1718	-	
3	142113	94	14	2	1889	1295	-	
4	312848	53.2	14	2	1288	1202	-	
5	483833	52.6	14	1	1923	-	-	
6	652428	93.8	14	3	1123	1293	1806	
7	121430	70.8	14	1	1386	-	-	
8	291544	75.3	14	2	1299	1893	-	
9	463250	82.8	14	1	1242	-	-	
10	633848	55.5	14	1	1575	-	-	
11	100397	99.2	14	1	1292	-	-	
12	271044	88.4	14	1	1913	-	-	
13	441547	82.5	14	2	1148	1134	-	
14	610082	67.3	14	3	1829	1699	1180	
15	79286	93.1	14	1	1848	-	-	
16	249868	66.6	14	2	1018	1304	-	

Bin5 Statistics 21

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	356652	54.3	14	2	1363	1908	-	1
1	503181	63.6	14	1	1125	-	-	
2	49560	51.1	14	1	1030	-	-	
3	193508	63.2	14	3	1526	1931	1634	
4	339882	95	14	1	1410	-	-	
5	483327	81.2	14	2	1998	1550	-	
6	31573	62.4	14	2	1596	1191	-	
7	176719	55.7	14	1	1760	-	-	
8	321859	66.7	14	1	1672	-	-	
9	465840	84.1	14	2	1534	1589	-	
10	13715	72.3	14	2	1870	1639	-	
11	158976	93.2	14	1	1276	-	-	
12	303486	53.6	14	2	1548	1104	-	
13	449531	93.2	14	1	1094	-	-	
14	593911	59.4	14	1	1974	-	-	
15	140770	92.9	14	2	1490	1143	-	
16	285515	97.3	14	2	1636	1279	-	
17	431309	76.9	14	1	1552	-	-	
18	574649	60.8	14	3	1167	1096	1161	
19	122466	97.6	14	3	1613	1572	1670	

Bin5 Statistics 22

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	596021	74.3	7	3	1342	1481	1017	1
1	917994	80.3	7	3	1708	1233	1581	
2	1242631	87.7	7	1	1996	-	-	
3	233713	81.4	7	3	1039	1757	1878	
4	557403	76.9	7	1	1212	-	-	
5	878915	78.5	7	2	1984	1603	-	
6	1202036	71.4	7	2	1297	1609	-	
7	194526	59	7	1	1208	-	-	
8	516113	76.1	7	3	1925	1387	1746	

Bin5 Statistics 23

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	754470	74.5	17	3	1009	1691	1796	1
1	1046775	85.2	17	1	1798	-	-	
2	139243	91.5	17	1	1210	-	-	
3	429236	74.4	17	2	1868	1437	-	
4	719448	61.6	17	2	1941	1404	-	
5	1010429	51.1	17	2	1310	1140	-	
6	103131	64.2	17	3	1472	1869	1329	
7	393346	66.9	17	2	1918	1809	-	
8	684158	73.8	17	2	1006	1535	-	
9	973097	63.9	17	3	1223	1438	1702	

Bin5 Statistics 24

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	56340	99	19	1	1133	-	-	1
1	298612	80.7	19	1	1083	-	-	
2	540688	88.2	19	1	1439	-	-	
3	781771	86.5	19	2	1262	1579	-	
4	26417	68.5	19	3	1073	1450	1717	
5	268647	71.5	19	1	1540	-	-	
6	509086	77.7	19	3	1513	1981	1406	
7	753203	71.6	19	1	1221	-	-	
8	994827	89.6	19	1	1834	-	-	
9	238025	96.2	19	3	1074	1849	1932	
10	480347	56.2	19	2	1676	1171	-	
11	721098	91.1	19	3	1909	1416	1026	

Bin5 Statistics 25

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	643545	55.5	15	1	1010	-	-	1
1	138481	56.4	15	3	1987	1779	1301	
2	299997	95.5	15	2	1121	1607	-	
3	460326	92.3	15	3	1392	1335	1005	
4	620596	74	15	3	1730	1528	1021	
5	118817	76	15	3	1050	1795	1660	
6	280071	69.7	15	2	1316	1628	-	
7	440881	86.3	15	2	1372	1819	-	
8	601625	66.4	15	2	1721	1657	-	
9	99434	59.8	15	1	1838	-	-	
10	260852	53.4	15	1	1391	-	-	
11	420926	79.7	15	2	1891	1510	-	
12	583253	92.2	15	1	1732	-	-	
13	79588	98.9	15	1	1713	-	-	
14	240698	80.9	15	2	1090	1071	-	
15	401256	68.8	15	2	1358	1805	-	
16	562136	92.1	15	3	1175	1022	1014	
17	59651	92	15	2	1139	1378	-	

Bin5 Statistics 26

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	398299	95.3	19	1	1554	-	-	1
1	689200	75.9	19	1	1137	-	-	
2	979916	73.5	19	1	1193	-	-	
3	71708	63	19	2	1863	1813	-	
4	361645	61.9	19	3	1405	1929	1036	
5	652682	66.8	19	2	1156	1271	-	
6	942045	86.2	19	2	1818	1988	-	
7	36036	93.8	19	1	1461	-	-	
8	326288	69.1	19	2	1333	1709	-	
9	616922	59.9	19	2	1057	1336	-	

Bin5 Statistics 27

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	502806	99.3	14	2	1606	1432	-	1
1	128	56.8	14	2	1356	1376	-	
2	161015	81.8	14	2	1697	1601	-	
3	321886	62.8	14	2	1506	1828	-	
4	483879	69.8	14	1	1803	-	-	
5	645836	83.4	14	1	1075	-	-	
6	140771	79.7	14	3	1990	1362	1952	
7	302803	85	14	1	1722	-	-	
8	463980	78.9	14	1	1856	-	-	
9	622822	69.4	14	3	1541	1673	1189	
10	121439	77.1	14	2	1727	1247	-	
11	281526	88.3	14	3	1275	1884	1882	
12	444235	97.2	14	1	1682	-	-	
13	605923	87.5	14	1	1234	-	-	
14	101810	97.5	14	1	1683	-	-	
15	262984	89.1	14	1	1949	-	-	
16	422226	77.3	14	3	1865	1690	1485	
17	582753	58.4	14	3	1571	1557	1842	

Bin5 Statistics 28

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	134274	94.4	11	1	1252	-	-	1
1	397922	69.7	11	2	1939	1032	-	
2	660352	90.6	11	3	1970	1966	1385	
3	926528	58.9	11	1	1928	-	-	
4	101713	79.6	11	1	1348	-	-	
5	365558	97.7	11	2	1283	1278	-	
6	628951	50.9	11	2	1782	1758	-	
7	893482	80.4	11	2	1079	1475	-	
8	69034	67.6	11	3	1038	1003	1330	
9	332503	92.6	11	3	1455	1060	1816	
10	597401	94.6	11	1	1836	-	-	

Bin5 Statistics 29

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	524069	78.6	18	3	1131	1341	1716	1
1	22342	56	18	1	1785	-	-	
2	182772	80.3	18	3	1285	1592	1896	
3	344230	56.8	18	2	1048	1936	-	
4	504322	59.7	18	3	1958	1055	1117	
5	2473	87	18	3	1012	1371	1067	
6	163132	59.5	18	3	1170	1183	1876	
7	324303	78.1	18	2	1922	1267	-	
8	484064	90.6	18	3	1546	1696	1524	
9	647485	59.9	18	1	1799	-	-	
10	143181	58.8	18	3	2000	1056	1920	
11	305092	69.2	18	1	1860	-	-	
12	466465	96	18	1	1665	-	-	
13	626638	89.9	18	2	1743	1099	-	
14	124099	72.6	18	1	1298	-	-	
15	285376	64.9	18	1	1521	-	-	
16	446868	56.9	18	1	1264	-	-	
17	604485	78.7	18	3	1802	1688	1892	

Bin5 Statistics 30

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	98276	86	15	3	1168	1394	1605	1
1	251522	65.5	15	1	1466	-	-	
2	403547	72.8	15	2	1194	1514	-	
3	555500	89.6	15	2	1463	1887	-	
4	79686	77.8	15	2	1726	1230	-	
5	232556	99.5	15	1	1850	-	-	
6	383134	99.5	15	3	1989	1797	1580	
7	535875	69.4	15	3	1151	1900	1302	
8	61016	90.4	15	1	1830	-	-	
9	213430	77.2	15	2	1390	1383	-	
10	364840	84.1	15	3	1986	1217	1452	
11	516998	61.9	15	3	1687	1290	1545	
12	42017	89.5	15	3	1704	1251	1643	
13	194520	65.8	15	2	1318	1857	-	
14	345762	87.1	15	3	1626	1873	1788	
15	501063	90.5	15	1	1001	-	-	
16	23338	50.2	15	2	1707	1501	-	
17	175621	63.3	15	2	1712	1914	-	
18	327321	96.9	15	3	1109	1840	1823	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5530.0	9	1.0	333	1	5649 5313 5615 5337 5481 5285 5569 5581 5617 5372 5572 5499 5527 5647 5513 5658 5630 5724 5282 5712 5612 5588 5583 5554 5474 5637 5365 5336 5618 5412 5283 5622 5338 5370 5700 5421 5434 5667 5483 5419 5668 5272 5559 5516 5321 5384 5480 5287 5341 5450 5455 5311 5685 5645 5688 5339 5297 5508 5504 5672 5342 5464 5597 5340 5479 5443 5267 5442 5468 5671 5265 5657 5343 5531 5441 5333 5500 5470 5650 5369 5250 5456 5463 5609 5359 5326 5635 5363 5415 5348 5490 5666 5530 5522 5316 5493 5448 5699 5565 5454 (number of hits: 14)
2	5530.0	9	1.0	333	1	5357 5450 5723 5664 5278 5597 5449 5373 5684 5274 5515 5634 5594 5543 5341 5614 5451 5367 5577 5492 5353 5259 5696 5356 5620 5656 5345 5429 5615 5471 5539 5435 5609 5689 5528 5595 5419 5319 5394 5488 5271 5628 5629 5486 5439 5598 5267 5447 5638 5704 5650 5677 5591 5602 5514 5348 5576 5714 5391 5444 5599 5270 5483 5560 5460 5330 5372 5630 5362 5445 5382 5320 5339 5547 5452 5264 5369 5261 5623 5516 5258 5643 5569 5257 5522 5430 5366 5527 5275 5297

						5711	5416	5276	5359	5476
						5459	5335	5509	5518	5607
						(number of hits: 12)				
3	5530.0	9	1.0	333	1	5612	5689	5659	5350	5595
						5639	5374	5448	5372	5481
						5349	5423	5635	5263	5362
						5702	5578	5470	5525	5684
						5361	5425	5637	5445	5593
						5544	5672	5632	5341	5505
						5581	5324	5566	5429	5680
						5415	5558	5410	5665	5660
						5564	5334	5424	5679	5671
						5427	5721	5287	5703	5467
						5303	5565	5437	5302	5561
						5482	5301	5314	5357	5625
						5456	5308	5294	5394	5418
						5530	5609	5274	5619	5438
						5560	5588	5723	5695	5592
						5636	5304	5624	5461	5582
						5513	5686	5493	5363	5722
						5653	5614	5296	5443	5457
						5370	5524	5557	5641	5465
						5369	5299	5618	5535	5662
						(number of hits: 15)				
4	5530.0	9	1.0	333	1	5392	5453	5595	5511	5340
						5303	5396	5523	5535	5310
						5280	5687	5676	5458	5383
						5693	5608	5573	5570	5401
						5369	5591	5675	5437	5566
						5335	5621	5360	5445	5539
						5720	5688	5644	5454	5613
						5600	5501	5461	5416	5671
						5403	5417	5362	5347	5592
						5503	5407	5426	5723	5281
						5354	5343	5479	5519	5623
						5505	5670	5255	5286	5328
						5721	5315	5317	5379	5351
						5495	5404	5552	5313	5424
						5563	5699	5654	5561	5447
						5605	5616	5692	5294	5375
						5653	5442	5456	5259	5635
						5325	5421	5297	5377	5331
						5471	5306	5656	5252	5649

						5717	5664	5274	5553	5449
						(number of hits: 14)				
5	5530.0	9	1.0	333	1	5550	5692	5531	5672	5657
						5345	5321	5501	5698	5517
						5589	5573	5717	5653	5404
						5306	5260	5579	5615	5593
						5377	5660	5616	5526	5539
						5473	5563	5549	5287	5674
						5480	5384	5606	5433	5264
						5689	5257	5569	5585	5500
						5300	5587	5432	5290	5509
						5334	5619	5694	5655	5570
						5712	5423	5352	5383	5684
						5597	5580	5299	5375	5262
						5440	5680	5297	5318	5292
						5393	5572	5296	5355	5385
						5507	5663	5664	5675	5516
						5401	5590	5586	5327	5716
						5357	5259	5556	5395	5319
						5545	5575	5496	5477	5340
						5441	5666	5648	5647	5532
						5552	5582	5413	5530	5418
						(number of hits: 18)				
6	5530.0	9	1.0	333	1	5330	5456	5467	5261	5402
						5387	5343	5576	5289	5724
						5520	5362	5283	5373	5425
						5394	5682	5563	5310	5288
						5351	5557	5518	5512	5489
						5325	5669	5653	5607	5329
						5340	5502	5380	5253	5403
						5305	5625	5344	5499	5556
						5583	5713	5352	5683	5264
						5270	5592	5364	5290	5506
						5473	5356	5621	5326	5721
						5296	5571	5638	5312	5399
						5504	5645	5272	5718	5519
						5716	5429	5404	5566	5536
						5554	5493	5666	5513	5651
						5475	5424	5636	5567	5331
						5606	5304	5354	5454	5459
						5712	5282	5447	5633	5426
						5318	5395	5661	5580	5277
						5323	5632	5545	5414	5655
						(number of hits: 18)				

7	5530.0	9	1.0	333	1	5585	5695	5403	5422	5719
						5429	5268	5651	5452	5456
						5451	5626	5324	5471	5446
						5482	5514	5310	5608	5502
						5296	5420	5595	5607	5485
						5377	5274	5397	5379	5641
						5468	5549	5297	5717	5532
						5542	5396	5421	5497	5510
						5395	5288	5495	5680	5668
						5250	5675	5325	5343	5349
						5672	5415	5447	5618	5284
						5592	5596	5619	5633	5335
						5724	5579	5286	5342	5287
						5368	5614	5458	5339	5479
						5669	5362	5627	5434	5544
						5304	5548	5450	5587	5295
						5367	5254	5649	5459	5554
						5639	5598	5380	5566	5593
						5351	5586	5311	5385	5700
						5407	5713	5443	5393	5283
						(number of hits: 12)				
8	5530.0	9	1.0	333	1	5365	5459	5436	5583	5464
						5568	5290	5251	5615	5285
						5415	5666	5467	5473	5641
						5413	5653	5694	5304	5586
						5536	5599	5458	5265	5601
						5600	5483	5675	5510	5438
						5254	5457	5306	5271	5584
						5487	5692	5650	5424	5331
						5371	5492	5260	5677	5597
						5705	5283	5383	5396	5658
						5700	5708	5723	5270	5562
						5472	5546	5590	5287	5500
						5669	5411	5255	5707	5543
						5711	5404	5446	5253	5617
						5698	5465	5294	5686	5603
						5393	5718	5664	5350	5529
						5674	5560	5368	5527	5369
						5362	5493	5305	5259	5466
						5431	5717	5516	5592	5345
						5494	5339	5462	5697	5372
						(number of hits: 12)				
9	5530.0	9	1.0	333	1	5620	5320	5372	5269	5306

						5610	5690	5326	5303	5492
						5691	5679	5503	5386	5488
						5561	5671	5516	5698	5508
						5655	5477	5688	5431	5531
						5550	5328	5587	5709	5552
						5327	5686	5672	5458	5469
						5723	5578	5585	5425	5338
						5645	5454	5430	5500	5674
						5429	5685	5366	5441	5449
						5448	5479	5409	5299	5568
						5660	5407	5319	5665	5614
						5718	5653	5440	5656	5523
						5420	5392	5548	5297	5438
						5482	5352	5590	5309	5493
						5510	5354	5573	5624	5623
						5564	5265	5335	5268	5451
						5385	5490	5611	5681	5598
						5282	5347	5603	5356	5517
						5336	5254	5489	5521	5696
						(number of hits: 15)				
10	5530.0	9	1.0	333	1	5303	5559	5308	5430	5526
						5652	5712	5401	5466	5699
						5622	5565	5544	5581	5509
						5649	5323	5522	5646	5700
						5698	5346	5418	5680	5404
						5419	5402	5531	5691	5268
						5594	5313	5643	5315	5707
						5289	5387	5669	5381	5578
						5349	5484	5537	5368	5265
						5671	5358	5665	5449	5499
						5502	5335	5355	5585	5350
						5304	5391	5353	5276	5454
						5597	5528	5532	5448	5656
						5647	5479	5599	5567	5609
						5379	5488	5415	5464	5534
						5397	5287	5458	5311	5429
						5539	5491	5606	5683	5405
						5690	5653	5720	5274	5328
						5299	5436	5263	5431	5371
						5604	5316	5607	5615	5373
						(number of hits: 15)				
11	5530.0	9	1.0	333	1	5558	5323	5719	5591	5368
						5694	5637	5476	5532	5528

						5456	5354	5585	5301	5530
						5262	5450	5625	5691	5417
						5706	5415	5294	5377	5685
						5254	5302	5258	5677	5600
						5384	5487	5429	5382	5652
						5256	5263	5717	5306	5408
						5290	5665	5548	5460	5555
						5286	5401	5393	5592	5675
						5464	5690	5250	5406	5577
						5520	5601	5479	5305	5642
						5293	5698	5404	5633	5400
						5611	5434	5270	5431	5452
						5682	5569	5383	5318	5661
						5379	5338	5576	5643	5291
						5390	5511	5629	5536	5707
						5253	5489	5724	5627	5271
						5607	5590	5695	5539	5411
						5388	5606	5523	5546	5355
						(number of hits: 12)				
12	5530.0	9	1.0	333	1	5338	5562	5655	5277	5588
						5358	5659	5551	5695	5260
						5387	5618	5626	5399	5253
						5577	5261	5609	5617	5581
						5397	5286	5350	5573	5678
						5365	5521	5336	5300	5566
						5557	5270	5633	5307	5568
						5473	5448	5506	5652	5259
						5325	5719	5648	5287	5594
						5528	5615	5518	5511	5487
						5582	5462	5452	5482	5415
						5619	5362	5405	5544	5377
						5706	5685	5546	5311	5703
						5591	5507	5354	5530	5682
						5705	5500	5460	5410	5704
						5400	5572	5550	5635	5331
						5442	5543	5401	5296	5433
						5351	5455	5607	5441	5284
						5449	5701	5713	5274	5407
						5255	5505	5569	5323	5262
						(number of hits: 17)				
13	5530.0	9	1.0	333	1	5593	5326	5591	5438	5430
						5400	5584	5626	5383	5467
						5318	5407	5667	5594	5572

						5341	5704	5356	5306	5625
						5650	5338	5375	5323	5364
						5530	5568	5370	5342	5552
						5514	5485	5310	5602	5707
						5564	5659	5663	5573	5408
						5657	5413	5284	5523	5508
						5698	5576	5277	5361	5638
						5503	5668	5713	5466	5365
						5316	5595	5363	5348	5360
						5491	5618	5529	5534	5317
						5456	5390	5265	5372	5399
						5589	5309	5386	5369	5692
						5396	5531	5412	5441	5464
						5614	5546	5314	5550	5475
						5395	5532	5647	5391	5719
						5699	5631	5521	5262	5336
						5403	5451	5329	5460	5504
						(number of hits: 15)				
14	5530.0	9	1.0	333	1	5276	5565	5527	5502	5650
						5442	5606	5701	5546	5296
						5627	5671	5708	5314	5593
						5429	5259	5459	5254	5518
						5633	5341	5376	5367	5252
						5479	5404	5481	5441	5471
						5603	5559	5325	5371	5655
						5612	5337	5577	5412	5588
						5595	5653	5281	5355	5488
						5306	5537	5617	5639	5712
						5339	5554	5282	5536	5410
						5553	5270	5310	5560	5319
						5489	5540	5533	5450	5615
						5405	5426	5572	5264	5288
						5575	5362	5622	5716	5539
						5512	5664	5454	5299	5611
						5686	5449	5689	5374	5267
						5440	5446	5305	5370	5556
						5250	5258	5513	5538	5317
						5320	5301	5430	5432	5280
						(number of hits: 18)				
15	5530.0	9	1.0	333	1	5531	5329	5463	5663	5492
						5484	5301	5612	5503	5558
						5557	5274	5509	5614	5517
						5386	5465	5299	5710	5544

						5507	5317	5456	5269	5615
						5331	5499	5455	5341	5523
						5330	5428	5343	5711	5620
						5413	5271	5408	5587	5491
						5251	5671	5436	5321	5278
						5284	5468	5389	5595	5670
						5429	5588	5515	5605	5371
						5262	5257	5266	5602	5500
						5379	5668	5521	5705	5478
						5354	5365	5307	5534	5566
						5640	5561	5606	5385	5716
						5581	5685	5360	5585	5493
						5344	5564	5260	5687	5608
						5352	5337	5459	5308	5400
						5553	5665	5721	5353	5298
						5555	5372	5304	5296	5312
						(number of hits: 20)				
16	5530.0	9	1.0	333	1	5311	5568	5399	5349	5712
						5623	5553	5376	5300	5710
						5392	5346	5315	5704	5635
						5508	5513	5344	5427	5552
						5576	5258	5448	5717	5406
						5658	5605	5559	5375	5565
						5316	5385	5558	5485	5343
						5459	5301	5265	5502	5279
						5374	5561	5275	5591	5472
						5653	5723	5464	5691	5656
						5460	5560	5676	5357	5556
						5690	5673	5639	5650	5395
						5423	5686	5579	5469	5542
						5303	5401	5614	5329	5272
						5547	5609	5709	5692	5540
						5557	5480	5253	5474	5596
						5674	5516	5627	5698	5352
						5470	5397	5554	5273	5354
						5388	5411	5359	5655	5600
						5572	5669	5291	5638	5487
						(number of hits: 17)				
17	5530.0	9	1.0	333	1	5566	5332	5335	5510	5554
						5665	5478	5451	5463	5539
						5323	5610	5453	5327	5656
						5596	5640	5671	5389	5716
						5560	5267	5296	5537	5690

						5294	5607	5333	5663	5409
						5704	5680	5342	5298	5637
						5638	5691	5550	5572	5418
						5416	5501	5362	5312	5326
						5369	5520	5428	5555	5614
						5301	5581	5718	5392	5707
						5646	5383	5523	5545	5405
						5492	5304	5368	5518	5502
						5415	5365	5252	5437	5349
						5696	5309	5630	5709	5558
						5668	5499	5526	5600	5299
						5455	5373	5687	5297	5316
						5338	5505	5255	5360	5271
						5616	5477	5683	5576	5263
						5440	5686	5482	5567	5270
						(number of hits: 19)				
18	5530.0	9	1.0	333	1	5724	5571	5271	5671	5299
						5707	5500	5526	5626	5254
						5399	5494	5522	5677	5684
						5292	5337	5433	5471	5336
						5712	5529	5663	5560	5459
						5536	5443	5666	5416	5411
						5361	5258	5641	5368	5668
						5330	5340	5542	5250	5469
						5366	5449	5311	5638	5672
						5257	5468	5594	5568	5283
						5260	5681	5467	5464	5498
						5689	5484	5410	5350	5328
						5458	5566	5676	5376	5656
						5491	5353	5478	5616	5310
						5644	5398	5720	5442	5436
						5625	5322	5553	5383	5502
						5613	5633	5629	5420	5581
						5359	5406	5266	5371	5675
						5721	5703	5537	5465	5627
						5369	5694	5407	5447	5316
						(number of hits: 13)				
19	5530.0	9	1.0	333	1	5504	5335	5682	5357	5519
						5371	5425	5601	5692	5478
						5563	5663	5535	5717	5698
						5297	5322	5402	5382	5625
						5479	5502	5653	5618	5636
						5448	5408	5264	5493	5477

						5313	5555	5256	5631	5656
						5397	5257	5261	5346	5341
						5654	5709	5363	5281	5291
						5721	5255	5310	5258	5470
						5269	5334	5349	5407	5314
						5446	5418	5688	5508	5455
						5562	5415	5355	5279	5629
						5404	5389	5412	5488	5383
						5550	5602	5337	5634	5620
						5417	5367	5365	5432	5547
						5561	5499	5430	5633	5568
						5558	5449	5410	5498	5701
						5431	5377	5679	5720	5592
						5434	5606	5472	5405	5648
						(number of hits: 15)				
20	5530.0	9	1.0	333	1	5284	5574	5618	5518	5361
						5413	5447	5676	5380	5307
						5494	5452	5576	5437	5719
						5288	5449	5408	5427	5342
						5487	5571	5691	5610	5609
						5714	5260	5467	5597	5511
						5444	5688	5371	5337	5476
						5536	5348	5532	5499	5255
						5493	5708	5601	5474	5360
						5685	5271	5329	5363	5620
						5346	5445	5385	5438	5705
						5258	5634	5372	5403	5327
						5426	5594	5580	5300	5586
						5552	5350	5590	5351	5698
						5653	5434	5340	5483	5596
						5376	5388	5631	5495	5557
						5711	5624	5496	5625	5410
						5443	5275	5414	5364	5424
						5480	5646	5464	5262	5647
						5418	5261	5488	5575	5615
						(number of hits: 11)				
21	5530.0	9	1.0	333	1	5539	5338	5554	5582	5581
						5455	5372	5276	5543	5514
						5425	5617	5535	5265	5376
						5576	5511	5375	5534	5398
						5262	5632	5699	5602	5587
						5670	5701	5545	5494	5430
						5645	5586	5489	5674	5675

						5536	5328	5274	5644	5332
						5413	5714	5357	5517	5251
						5412	5416	5410	5600	5524
						5436	5527	5528	5580	5347
						5326	5593	5397	5723	5270
						5720	5418	5378	5393	5523
						5387	5530	5448	5615	5316
						5671	5440	5475	5335	5683
						5508	5299	5476	5334	5555
						5371	5400	5687	5493	5345
						5439	5349	5406	5370	5282
						5415	5519	5719	5286	5486
						5680	5346	5279	5702	5402
						(number of hits: 20)				
22	5530.0	9	1.0	333	1	5319	5577	5490	5268	5423
						5497	5394	5351	5706	5721
						5259	5602	5658	5255	5286
						5464	5703	5614	5420	5251
						5406	5331	5573	5691	5555
						5536	5301	5330	5579	5704
						5263	5494	5717	5627	5599
						5427	5655	5496	5477	5382
						5451	5446	5495	5332	5469
						5297	5476	5700	5487	5713
						5524	5535	5280	5308	5343
						5271	5377	5532	5287	5250
						5679	5339	5472	5265	5340
						5418	5485	5657	5443	5656
						5294	5652	5628	5345	5457
						5586	5665	5467	5372	5540
						5439	5666	5369	5562	5722
						5292	5442	5492	5617	5606
						5585	5393	5282	5483	5629
						5349	5306	5633	5690	5334
						(number of hits: 11)				
23	5530.0	9	1.0	333	1	5477	5341	5426	5429	5643
						5636	5319	5297	5453	5665
						5391	5699	5450	5307	5552
						5355	5717	5465	5443	5414
						5497	5514	5305	5528	5281
						5388	5504	5434	5613	5578
						5683	5559	5444	5415	5692
						5381	5718	5492	5580	5569

						5582	5579	5318	5622	5448
						5375	5686	5293	5522	5562
						5352	5401	5538	5327	5371
						5626	5709	5498	5637	5506
						5697	5707	5557	5602	5285
						5340	5421	5362	5572	5610
						5696	5543	5408	5427	5253
						5524	5273	5488	5438	5363
						5678	5631	5435	5390	5260
						5342	5508	5279	5590	5420
						5262	5616	5651	5694	5410
						5337	5467	5527	5328	5409
						(number of hits: 16)				
24	5530.0	9	1.0	333	1	5257	5580	5362	5590	5485
						5678	5341	5501	5460	5282
						5499	5655	5265	5645	5328
						5543	5385	5345	5510	5325
						5566	5552	5297	5644	5337
						5707	5635	5647	5717	5669
						5516	5659	5664	5512	5520
						5334	5288	5355	5483	5421
						5662	5256	5387	5445	5682
						5569	5661	5351	5478	5449
						5606	5577	5589	5416	5375
						5315	5339	5663	5688	5456
						5652	5486	5428	5706	5638
						5370	5398	5307	5502	5251
						5546	5403	5687	5493	5296
						5534	5419	5615	5313	5320
						5498	5720	5447	5392	5374
						5555	5691	5306	5601	5588
						5427	5451	5425	5685	5651
						5308	5283	5701	5410	5404
						(number of hits: 15)				
25	5530.0	9	1.0	333	1	5512	5441	5298	5276	5705
						5720	5363	5576	5623	5489
						5430	5444	5403	5365	5349
						5631	5351	5458	5449	5333
						5257	5493	5386	5474	5435
						5664	5264	5681	5284	5558
						5473	5399	5341	5710	5562
						5425	5559	5508	5494	5260
						5367	5669	5627	5442	5611

						5549	5269	5409	5531	5714
						5482	5278	5640	5505	5673
						5637	5527	5617	5306	5653
						5659	5289	5552	5694	5318
						5274	5364	5319	5337	5614
						5297	5302	5323	5712	5581
						5379	5646	5416	5677	5400
						5392	5326	5445	5484	5658
						5384	5272	5452	5566	5423
						5464	5280	5471	5607	5622
						5630	5340	5447	5532	5615
						(number of hits: 14)				
26	5530.0	9	1.0	333	1	5292	5680	5709	5437	5547
						5287	5288	5651	5311	5696
						5361	5330	5444	5463	5370
						5719	5639	5454	5503	5641
						5341	5423	5434	5378	5447
						5323	5516	5638	5368	5715
						5326	5430	5517	5590	5530
						5701	5452	5661	5408	5671
						5450	5607	5295	5439	5443
						5529	5352	5584	5601	5358
						5691	5496	5581	5571	5472
						5533	5321	5717	5625	5652
						5695	5662	5268	5373	5349
						5567	5483	5395	5698	5649
						5258	5605	5334	5536	5723
						5381	5436	5551	5721	5467
						5623	5606	5415	5388	5379
						5712	5478	5636	5613	5656
						5512	5449	5558	5502	5546
						5718	5572	5498	5707	5509
						(number of hits: 17)				
27	5530.0	9	1.0	333	1	5450	5444	5645	5598	5292
						5426	5310	5251	5377	5525
						5670	5594	5485	5658	5391
						5332	5291	5557	5548	5358
						5252	5492	5472	5467	5420
						5589	5465	5269	5274	5433
						5387	5257	5267	5350	5365
						5704	5723	5339	5322	5510
						5533	5545	5535	5372	5509
						5435	5428	5637	5709	5630

						5305	5697	5686	5504	5407
						5584	5457	5478	5641	5388
						5692	5409	5656	5459	5286
						5564	5684	5652	5657	5681
						5362	5324	5546	5482	5715
						5309	5378	5662	5526	5475
						5256	5430	5676	5326	5619
						5593	5297	5461	5575	5500
						5691	5346	5392	5496	5255
						5360	5460	5338	5333	5385
						(number of hits: 14)				
28	5530.0	9	1.0	333	1	5705	5683	5581	5284	5609
						5468	5710	5326	5540	5257
						5601	5383	5526	5378	5412
						5323	5418	5660	5593	5550
						5260	5658	5413	5459	5393
						5477	5317	5472	5673	5308
						5507	5322	5344	5516	5548
						5504	5320	5519	5589	5711
						5349	5616	5483	5300	5530
						5301	5489	5518	5486	5690
						5278	5488	5331	5318	5394
						5520	5372	5382	5401	5475
						5579	5572	5529	5289	5684
						5686	5641	5348	5391	5254
						5564	5636	5292	5277	5506
						5685	5523	5650	5437	5343
						5576	5559	5263	5404	5387
						5438	5570	5696	5384	5258
						5496	5491	5625	5627	5654
						5592	5612	5449	5590	5591
						(number of hits: 17)				
29	5530.0	9	1.0	333	1	5485	5447	5517	5348	5354
						5510	5257	5401	5703	5464
						5532	5647	5567	5573	5433
						5411	5448	5288	5541	5267
						5268	5252	5548	5366	5365
						5266	5675	5302	5342	5549
						5308	5301	5687	5668	5368
						5546	5315	5722	5663	5321
						5421	5443	5527	5608	5469
						5601	5543	5364	5507	5369
						5483	5343	5694	5707	5336

						5591	5307	5446	5708	5262
						5571	5693	5702	5630	5412
						5590	5384	5698	5621	5367
						5330	5278	5280	5355	5661
						5482	5619	5324	5580	5353
						5669	5519	5568	5275	5674
						5429	5326	5498	5665	5564
						5338	5506	5656	5253	5536
						5679	5609	5667	5565	5487
						(number of hits: 21)				
30	5530.0	9	1.0	333	1	5265	5686	5453	5509	5671
						5552	5657	5476	5391	5293
						5366	5436	5608	5454	5499
						5575	5294	5586	5459	5654
						5418	5392	5637	5339	5631
						5593	5403	5406	5376	5688
						5672	5258	5330	5442	5566
						5685	5502	5683	5420	5636
						5404	5359	5524	5537	5449
						5684	5505	5321	5430	5715
						5669	5641	5638	5290	5306
						5601	5320	5362	5427	5516
						5525	5528	5576	5710	5539
						5323	5433	5416	5645	5402
						5264	5380	5679	5441	5491
						5444	5723	5605	5304	5300
						5635	5595	5272	5394	5332
						5643	5461	5382	5529	5389
						5514	5346	5259	5598	5691
						5722	5549	5385	5365	5655
						(number of hits: 14)				

AP Mode

Pine Radio

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	93.3 %	60%	Pass
Type 3	30	93.3 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type 1 to 4)	120	93.3%	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	93.3 %	70%	Pass

Table-1A/1B Radar Type 1A/1B Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	68	1.0	778	1
2	76	1.0	698	1
3	86	1.0	618	1
4	81	1.0	658	1
5	83	1.0	638	1
6	99	1.0	538	1
7	18	1.0	3066	1
8	102	1.0	518	1
9	70	1.0	758	1
10	65	1.0	818	1
11	59	1.0	898	1
12	58	1.0	918	1
13	67	1.0	798	1
14	89	1.0	598	1
15	62	1.0	858	1
16	22	1.0	2481	1
17	33	1.0	1617	1
18	24	1.0	2247	1
19	43	1.0	1233	1
20	19	1.0	2826	1
21	59	1.0	902	1
22	28	1.0	1906	1
23	36	1.0	1481	1
24	61	1.0	877	1
25	26	1.0	2101	1
26	58	1.0	919	1
27	34	1.0	1591	1
28	48	1.0	1110	1
29	36	1.0	1485	1
30	38	1.0	1393	1
Detection Percentage: 100.0 % (>60%)				

Table-2 Radar Type 2 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	24	4.1	162	1
2	23	1.1	153	1
3	26	1.2	166	1
4	28	3.3	184	1
5	27	4.8	230	1
6	26	3.3	186	1
7	25	3.9	202	1
8	29	3.5	187	1
9	23	3.8	160	1
10	27	3.7	170	1
11	23	4.9	208	1
12	24	3.6	161	1
13	25	2.6	163	1
14	29	1.7	150	0
15	27	2.6	178	1
16	27	3.2	182	1
17	24	5	185	1
18	27	2.3	216	1
19	27	1.9	212	1
20	27	1.6	190	0
21	29	2.2	174	1
22	23	1.1	225	1
23	24	2	196	1
24	25	3.7	157	1
25	28	2.1	173	1
26	24	5	195	1
27	28	4.4	189	1
28	25	1.3	224	1
29	28	2.6	158	1
30	29	3.3	198	1
Detection Percentage: 93.3 % (>60%)				

Table-3 Radar Type 3 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	16	7.4	331	1
2	16	7.8	484	1
3	17	8.1	267	1
4	18	7.5	232	1
5	17	7	252	0
6	17	9.6	373	1
7	17	7.1	419	1
8	18	6.7	440	1
9	16	9.3	418	1
10	17	8	443	0
11	16	7.8	445	1
12	16	6.1	312	1
13	16	9.7	426	1
14	18	6.1	238	1
15	18	9.6	412	1
16	17	6	221	1
17	16	8	459	1
18	17	6.4	256	1
19	18	9.1	416	1
20	18	7.1	339	1
21	18	7.4	217	1
22	16	6.7	222	1
23	16	7.8	224	1
24	17	7.6	435	1
25	18	9.5	410	1
26	16	8.1	357	1
27	18	6.3	249	1
28	16	7.6	462	1
29	18	9.5	360	1
30	18	8.3	258	1
Detection Percentage: 93.3 % (>60%)				

Table-4 Radar Type 4 Statistical Performance

Note: Radar was generated randomly in the frequency range of 5490-5510 MHz.

Trial #	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	13	18.4	324	1
2	12	18.9	459	1
3	14	13.8	280	1
4	15	13.2	360	0
5	15	16.4	309	1
6	14	18.3	445	1
7	13	14.2	255	0
8	16	15.3	390	1
9	12	15.1	279	1
10	15	16.6	468	1
11	12	18.9	436	1
12	13	16.8	244	1
13	13	13.1	407	1
14	16	13.9	331	1
15	15	18.7	318	1
16	15	15.2	403	1
17	13	15.9	500	1
18	15	11	362	0
19	15	17.4	295	1
20	15	17.9	384	1
21	16	16.8	420	1
22	12	18.2	307	0
23	12	17.1	473	1
24	13	14.2	458	1
25	15	15.4	496	1
26	12	12.6	423	1
27	15	13.7	221	1
28	13	13.3	225	1
29	16	19.5	227	1
30	16	14.6	353	1
Detection Percentage: 86.7 % (>60%)				

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500.0	1
2	5500.0	1
3	5500.0	1
4	5500.0	1
5	5500.0	1
6	5500.0	1
7	5500.0	1
8	5500.0	1
9	5500.0	1
10	5500.0	1
11	5493.0	1
12	5495.0	1
13	5495.0	1
14	5499.0	1
15	5495.0	1
16	5495.0	1
17	5496.0	1
18	5495.0	1
19	5494.0	1
20	5494.0	1
21	5503.0	1
22	5503.0	1
23	5503.0	1
24	5501.0	1
25	5507.0	1
26	5502.0	1
27	5502.0	1
28	5501.0	1
29	5503.0	1
30	5502.0	1
Detection Percentage: 100 % (>80%)		

Bin5 Statistics 1

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	486409	90.2	16	1	1162	-	-	1
1	750553	78.2	16	1	1385	-	-	
2	1013030	97.3	16	2	1536	1747	-	
3	188900	82.3	16	3	1690	1285	1954	
4	453146	52.1	16	2	1712	1149	-	
5	716359	90.5	16	2	1986	1896	-	
6	980877	58.6	16	2	1181	1725	-	
7	156499	70.3	16	3	1252	1936	1449	
8	421292	73.8	16	1	1178	-	-	
9	684002	57	16	2	1947	1749	-	
10	949335	66.8	16	1	1803	-	-	

Bin5 Statistics 2

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	152146	96.8	7	1	1005	-	-	1
1	475023	87.7	7	1	1717	-	-	
2	795977	89.9	7	3	1891	1864	1309	
3	1117717	91.3	7	3	1644	1905	1998	
4	112187	88.7	7	2	1853	1012	-	
5	435317	59.3	7	1	1488	-	-	
6	757488	93.2	7	2	1707	1262	-	
7	1078959	72	7	3	1318	1748	1362	
8	72343	84.7	7	3	1839	1465	1341	

Bin5 Statistics 3

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	253203	59.6	13	3	1646	1284	1616	1
1	461852	77.7	13	1	1085	-	-	
2	668910	53.6	13	1	1804	-	-	
3	20986	84.7	13	2	1539	1549	-	
4	227954	76	13	3	1585	1075	1054	
5	436057	85.8	13	1	1517	-	-	
6	641119	70.4	13	3	1543	1778	1459	
7	851308	97.3	13	1	1298	-	-	
8	202124	60.2	13	3	1700	1496	1927	
9	409248	64.4	13	3	1438	1046	1635	
10	617432	60.8	13	2	1209	1112	-	
11	823303	78.2	13	3	1137	1498	1189	
12	176626	86.3	13	3	1921	1660	1759	
13	384909	59.9	13	1	1574	-	-	

Bin5 Statistics 4

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	457846	97.3	17	3	1865	1968	1606	1
1	618850	77	17	3	1356	1772	1632	
2	117668	98.5	17	3	1340	1325	1013	
3	279458	58.3	17	1	1312	-	-	
4	440188	93.4	17	2	1081	1195	-	
5	600976	98.5	17	2	1336	1324	-	
6	98228	59.5	17	1	1198	-	-	
7	258723	84.9	17	3	1182	1056	1273	
8	419512	79.2	17	3	1301	1119	1165	
9	581436	84.2	17	2	1027	1295	-	
10	78183	75.2	17	2	1264	1328	-	
11	238370	83.7	17	3	1757	1950	1306	
12	398968	53.7	17	3	1350	1883	1571	
13	560687	69.6	17	2	1482	1907	-	
14	58421	91.3	17	1	1724	-	-	
15	219149	85.3	17	2	1939	1422	-	
16	379886	52.8	17	2	1942	1656	-	
17	542764	98.6	17	1	1068	-	-	

Bin5 Statistics 5

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	43313	97	13	2	1156	1855	-	1
1	223817	90.2	13	3	1678	1989	1554	
2	405749	91.9	13	2	1014	1815	-	
3	588162	62.4	13	1	1300	-	-	
4	20976	74.6	13	3	1260	1116	1387	
5	202586	62.5	13	1	1458	-	-	
6	382588	56.2	13	3	1708	1192	1564	
7	564479	66.4	13	2	1345	1697	-	
8	745857	70	13	2	1140	1684	-	
9	180326	61.4	13	1	1034	-	-	
10	361518	60.1	13	1	1977	-	-	
11	543550	59.4	13	1	1132	-	-	
12	725173	96.3	13	1	1134	-	-	
13	157850	88.6	13	1	1512	-	-	
14	338641	60.4	13	2	1715	1431	-	
15	520913	77.7	13	1	1514	-	-	

Bin5 Statistics 6

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	861537	92.6	5	3	1619	1486	1965	1
1	166328	64.3	5	3	1604	1308	1314	
2	389223	90.3	5	3	1981	1135	1006	
3	613949	50.9	5	1	1343	-	-	
4	837113	99.8	5	1	1767	-	-	
5	139246	73.6	5	1	1793	-	-	
6	362479	75.2	5	2	1113	1207	-	
7	584572	74.7	5	3	1785	1375	1077	
8	808370	98.5	5	2	1769	1386	-	
9	111331	69.4	5	3	1880	1546	1600	
10	334451	59.5	5	3	1213	1039	1500	
11	558931	92.3	5	1	1253	-	-	
12	781660	82	5	2	1021	1225	-	

Bin5 Statistics 7

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	91235	50.8	12	1	1745	-	-	1
1	333378	55.9	12	1	1641	-	-	
2	574671	74.9	12	2	1843	1256	-	
3	816103	61.5	12	2	1888	1636	-	
4	61323	62.2	12	2	1414	1802	-	
5	303166	81.3	12	2	1028	1887	-	
6	545698	96.2	12	1	1620	-	-	
7	786552	68	12	2	1596	1652	-	
8	31512	84.8	12	3	1941	1224	1070	
9	272751	52.3	12	3	1392	1938	1873	
10	514700	86	12	3	1103	1100	1687	
11	758437	52	12	1	1058	-	-	

Bin5 Statistics 8

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1060	77	15	1	1670	-	-	1
1	145465	78.5	15	3	1762	1634	1175	
2	291507	98.2	15	1	1220	-	-	
3	434114	74.8	15	3	1096	1890	1821	
4	580652	69.7	15	2	1444	1115	-	
5	128367	88	15	1	1355	-	-	
6	273561	86.6	15	1	1347	-	-	
7	418824	73.3	15	1	1246	-	-	
8	562554	76.1	15	2	1179	1645	-	
9	110181	77	15	2	1615	1376	-	
10	255059	77	15	2	1143	1649	-	
11	400064	95.1	15	2	1171	1378	-	
12	545553	51.9	15	1	1904	-	-	
13	92506	98.8	15	1	1956	-	-	
14	237743	73.4	15	1	1471	-	-	
15	382646	65	15	1	1876	-	-	
16	526357	67.2	15	2	1782	1627	-	
17	74206	63.9	15	3	1810	1791	1826	
18	219755	55.2	15	1	1764	-	-	
19	364911	52.9	15	1	1657	-	-	

Bin5 Statistics 9

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1132661	64	9	3	1658	1128	1758	1
1	126129	84.4	9	3	1750	1516	1441	
2	449547	69.2	9	1	1196	-	-	
3	771190	55.4	9	3	1025	1400	1258	
4	1094559	85.2	9	2	1032	1573	-	
5	86408	98	9	3	1534	1854	1765	
6	408502	84	9	3	1867	1412	1975	
7	731278	57.3	9	3	1241	1575	1212	
8	1054663	64.2	9	2	1457	1326	-	

Bin5 Statistics 10

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	26190	59.6	7	3	1688	1960	1973	1
1	207934	57.8	7	1	1268	-	-	
2	389337	61.9	7	1	1629	-	-	
3	570650	54.3	7	1	1879	-	-	
4	3974	99	7	1	1423	-	-	
5	185531	72.8	7	1	1408	-	-	
6	366912	95.2	7	1	1768	-	-	
7	548280	77	7	1	1906	-	-	
8	729762	100	7	1	1860	-	-	
9	162450	78.8	7	3	1446	1729	1524	
10	343952	81.5	7	2	1848	1237	-	
11	523593	73	7	3	1510	1723	2000	
12	704250	68.9	7	3	1275	1971	1957	
13	140735	55.9	7	1	1774	-	-	
14	321106	73.8	7	3	1304	1210	1808	
15	501938	79	7	3	1763	1144	1442	

Bin5 Statistics 11

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	1370091	79.9	5	3	1540	1017	1197	1
1	237047	59.6	5	1	1761	-	-	
2	600660	63.4	5	1	1154	-	-	
3	964130	57.8	5	1	1227	-	-	
4	1324667	81.2	5	3	1352	1508	1713	
5	192379	50.8	5	1	1051	-	-	
6	555829	70.8	5	1	1302	-	-	
7	917336	97.2	5	3	1200	1605	1716	

Bin5 Statistics 12

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	931412	83	9	2	1433	1299	-	1
1	107255	88.1	9	1	1674	-	-	
2	371471	92.6	9	1	1551	-	-	
3	634646	59.3	9	2	1501	1813	-	
4	899961	92.7	9	1	1451	-	-	
5	74725	89.6	9	1	1531	-	-	
6	338727	71.8	9	2	1098	1097	-	
7	602115	53.9	9	2	1555	1831	-	
8	867540	79.2	9	1	1293	-	-	
9	42123	59	9	2	1795	1215	-	
10	305482	66.4	9	3	1796	1463	1497	

Bin5 Statistics 13

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	523131	69.2	9	1	1245	-	-	1
1	764684	65	9	2	1003	1124	-	
2	8811	90.7	9	2	1940	1910	-	
3	251116	52.9	9	1	1037	-	-	
4	492174	75.9	9	3	1456	1047	1009	
5	733062	78.3	9	3	1506	1360	1720	
6	977830	88	9	1	1166	-	-	
7	220931	67.2	9	2	1399	1183	-	
8	461730	85.2	9	3	1823	1663	1480	
9	703553	73.7	9	3	1067	1790	1407	
10	947538	79.9	9	1	1643	-	-	
11	190843	95.2	9	3	1173	1290	1637	

Bin5 Statistics 14

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	258537	78.5	19	3	1994	1089	1430	1
1	404163	95.4	19	2	1359	1377	-	
2	550499	76.5	19	1	1126	-	-	
3	96355	55.3	19	3	1897	1050	1364	
4	240360	88.3	19	3	1770	1882	1818	
5	385897	70.6	19	2	1866	1525	-	
6	530827	99.5	19	3	1053	1018	1057	
7	78618	83.1	19	3	1150	1648	1066	
8	223486	58.7	19	2	1127	1974	-	
9	369473	87	19	1	1122	-	-	
10	512890	64.8	19	2	1621	1631	-	
11	60960	71.3	19	2	1348	1040	-	
12	205332	60.8	19	3	1470	1235	1329	
13	351173	80.3	19	1	1819	-	-	
14	493757	85.8	19	3	1683	1699	1443	
15	42922	84.4	19	3	1679	1494	1780	
16	187310	60.3	19	3	1827	1535	1365	
17	333598	56.9	19	1	1289	-	-	
18	476354	77.5	19	3	1288	1087	1978	
19	25260	93.8	19	2	1148	1082	-	

Bin5 Statistics 15

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	212826	59.8	10	2	1176	1511	-	1
1	394032	89.5	10	2	1735	1029	-	
2	575404	54.6	10	2	1291	1287	-	
3	9251	64	10	2	1317	1590	-	
4	190434	89.2	10	2	1079	1869	-	
5	370770	56.6	10	3	1726	1105	1820	
6	553918	87.5	10	1	1439	-	-	
7	734920	79.6	10	1	1996	-	-	
8	167744	93.2	10	3	1595	1801	1206	
9	348407	83.7	10	3	1214	1858	1787	
10	531203	85.6	10	1	1934	-	-	
11	710659	73.4	10	3	1946	1011	1049	
12	146080	53	10	1	1504	-	-	
13	327288	93	10	2	1248	1002	-	
14	509161	64	10	1	1485	-	-	
15	690267	63.9	10	1	1953	-	-	

Bin5 Statistics 16

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	123311	66.2	11	3	1008	1706	1263	1
1	304747	84.3	11	2	1358	1388	-	
2	484754	83.5	11	3	1825	1203	1603	
3	668167	83.4	11	1	1676	-	-	
4	101118	79.7	11	2	1734	1547	-	
5	281769	76	11	3	1937	1094	1445	
6	464386	57.6	11	1	1569	-	-	
7	645607	82.2	11	1	1913	-	-	
8	78989	50.1	11	1	1593	-	-	
9	260597	69.3	11	1	1316	-	-	
10	442343	92.2	11	1	1035	-	-	
11	621272	95.7	11	3	1495	1599	1204	
12	56635	92.5	11	1	1538	-	-	
13	238211	53.5	11	1	1379	-	-	
14	418993	56.8	11	2	1704	1069	-	
15	600112	78.3	11	2	1226	1681	-	

Bin5 Statistics 17

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	49781	96.3	12	3	1455	1125	1259	1
1	313402	86.2	12	3	1654	1062	1219	
2	577160	85.3	12	2	1771	1914	-	
3	841711	89.1	12	2	1169	1398	-	
4	17297	90.7	12	3	1473	1560	1321	
5	280821	62.4	12	3	1041	1553	1760	
6	545371	66.1	12	2	1138	1168	-	
7	807812	81.7	12	3	1520	1633	1278	
8	1073723	83.1	12	1	1991	-	-	
9	248826	69.9	12	2	1063	1254	-	
10	513118	89.9	12	1	1737	-	-	

Bin5 Statistics 18

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	568565	75.1	11	3	1266	1023	1000	1
1	761352	51.4	11	3	1526	1159	1064	
2	158356	91.4	11	2	1893	1155	-	
3	352316	68.3	11	1	1521	-	-	
4	545424	67.9	11	2	1147	1177	-	
5	737326	66.3	11	3	1208	1548	1251	
6	134469	71.9	11	2	1903	1610	-	
7	328298	68.2	11	1	1919	-	-	
8	520713	76.1	11	2	1892	1777	-	
9	714716	73.4	11	2	1530	1172	-	
10	110864	94.2	11	2	1091	1060	-	
11	304657	64	11	1	1391	-	-	
12	496903	83.9	11	2	1993	1709	-	
13	691748	81.9	11	1	1721	-	-	
14	87101	72.5	11	1	1489	-	-	

Bin5 Statistics 19

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	247129	63.8	7	2	1783	1250	-	1
1	418327	69.8	7	1	1797	-	-	
2	588606	64.5	7	2	1045	1330	-	
3	55694	91.9	7	2	1702	1015	-	
4	226698	87.1	7	1	1276	-	-	
5	396893	89.7	7	2	1406	1099	-	
6	567971	76.8	7	1	1902	-	-	
7	34555	57.3	7	3	1833	1964	1602	
8	205665	77.2	7	1	1217	-	-	
9	375847	66.9	7	2	1286	1281	-	
10	544882	57.6	7	3	1363	1814	1374	
11	13651	75	7	3	1565	1229	1450	
12	184538	73.3	7	1	1507	-	-	
13	355148	53.7	7	1	1949	-	-	
14	525990	68.1	7	1	1794	-	-	
15	693845	51.8	7	3	1292	1675	1766	
16	163474	50.3	7	1	1597	-	-	

Bin5 Statistics 20

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	334117	59.7	8	1	1952	-	-	1
1	503265	86.1	8	3	1462	1479	1211	
2	674540	82.5	8	2	1409	1614	-	
3	142090	80.7	8	2	1962	1337	-	
4	312630	58.8	8	2	1609	1373	-	
5	483893	51	8	1	1836	-	-	
6	652099	74.2	8	3	1601	1522	1453	
7	121382	79.4	8	1	1666	-	-	
8	291402	70.6	8	2	1926	1607	-	
9	463216	85.4	8	1	1294	-	-	
10	633878	80.8	8	1	1542	-	-	
11	100320	54.8	8	1	1834	-	-	
12	271211	52	8	1	1478	-	-	
13	440976	72.1	8	2	1665	1527	-	
14	610842	51.3	8	3	1342	1361	1131	
15	79320	57.1	8	1	1544	-	-	
16	249332	68.2	8	2	1943	1889	-	

Bin5 Statistics 21

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	356363	98.7	14	2	1788	1967	-	1
1	502763	96.4	14	1	1623	-	-	
2	49496	67.2	14	1	1806	-	-	
3	193562	91.2	14	3	1961	1231	1732	
4	340050	82.9	14	1	1114	-	-	
5	483770	50.2	14	2	1682	1319	-	
6	31544	98.4	14	2	1980	1366	-	
7	176866	94.2	14	1	1265	-	-	
8	321913	64.2	14	1	1572	-	-	
9	466348	51.3	14	2	1076	1396	-	
10	13731	60.2	14	2	1044	1798	-	
11	158998	91.3	14	1	1193	-	-	
12	303342	98.6	14	2	1454	1481	-	
13	448888	64.4	14	1	1951	-	-	
14	594734	58	14	1	1145	-	-	
15	140583	71.6	14	2	1624	1800	-	
16	285530	93.9	14	2	1390	1493	-	
17	431183	54.2	14	1	1727	-	-	
18	574324	97.9	14	3	1129	1594	1038	
19	122491	99.4	14	3	1344	1886	1505	

Bin5 Statistics 22

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	595777	91.8	15	3	1742	1532	1111	1
1	917417	55	15	3	1673	1837	1847	
2	1243407	68.8	15	1	1164	-	-	
3	233729	90.3	15	3	1877	1036	1671	
4	557112	62.5	15	1	1909	-	-	
5	879227	66.4	15	2	1474	1640	-	
6	1202473	54.2	15	2	1199	1223	-	
7	194534	96.1	15	1	1152	-	-	
8	516333	52.4	15	3	1930	1483	1078	

Bin5 Statistics 23

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	753875	75.1	16	3	1985	1587	1868	1
1	1046662	94.9	16	1	1928	-	-	
2	139186	56.3	16	1	1694	-	-	
3	429246	67.8	16	2	1405	1872	-	
4	719978	55.1	16	2	1346	1117	-	
5	1009782	55.1	16	2	1305	1912	-	
6	103107	71.8	16	3	1651	1972	1320	
7	393662	84.6	16	2	1561	1205	-	
8	684171	59.1	16	2	1160	1357	-	
9	973815	76.9	16	3	1322	1083	1074	

Bin5 Statistics 24

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	56332	85.8	19	1	1279	-	-	1
1	298421	84.2	19	1	1722	-	-	
2	540718	86.6	19	1	1383	-	-	
3	781770	94.6	19	2	1756	1086	-	
4	26396	99.8	19	3	1945	1102	1983	
5	268738	64	19	1	1202	-	-	
6	509006	88.1	19	3	1367	1805	1884	
7	752935	72	19	1	1577	-	-	
8	994969	70.9	19	1	1693	-	-	
9	237947	72.7	19	3	1297	1990	1895	
10	480277	83.3	19	2	1824	1167	-	
11	720800	58.2	19	3	1718	1170	1875	

Bin5 Statistics 25

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	642703	67.8	6	1	1881	-	-	1
1	138608	53.4	6	3	1807	1271	1382	
2	300191	57.8	6	2	1019	1280	-	
3	459503	76.4	6	3	1955	1582	1380	
4	619438	93.7	6	3	1703	1828	1984	
5	118815	77.5	6	3	1617	1447	1452	
6	280134	76.9	6	2	1562	1232	-	
7	440938	78.7	6	2	1424	1680	-	
8	601802	66.4	6	2	1911	1272	-	
9	99546	96.1	6	1	1093	-	-	
10	260687	52.3	6	1	1811	-	-	
11	421414	91.7	6	2	1475	1157	-	
12	583694	89.1	6	1	1230	-	-	
13	79621	56.5	6	1	1440	-	-	
14	240588	53.9	6	2	1335	1130	-	
15	401213	73.5	6	2	1566	1668	-	
16	561753	93.5	6	3	1404	1186	1073	
17	59630	59.3	6	2	1661	1092	-	

Bin5 Statistics 26

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	398422	86.3	18	1	1185	-	-	1
1	689154	87	18	1	1218	-	-	
2	979407	84.7	18	1	1817	-	-	
3	71712	77.4	18	2	1701	1917	-	
4	361372	62.1	18	3	1908	1901	1461	
5	652001	65.2	18	2	1845	1832	-	
6	943272	55.1	18	2	1239	1010	-	
7	36029	60.4	18	1	1696	-	-	
8	326104	69.1	18	2	1751	1969	-	
9	617047	76.3	18	2	1108	1043	-	

Bin5 Statistics 27

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	502533	74.4	18	2	1541	1857	-	1
1	128	94.5	18	2	1662	1982	-	
2	161135	83.4	18	2	1338	1469	-	
3	322020	73.3	18	2	1136	1922	-	
4	483845	69.1	18	1	1850	-	-	
5	645439	66.9	18	1	1484	-	-	
6	141011	77	18	3	1885	1101	1191	
7	302980	52.8	18	1	1334	-	-	
8	464276	59.9	18	1	1432	-	-	
9	621880	78.7	18	3	1849	1686	1870	
10	121501	61.4	18	2	1270	1369	-	
11	281935	94.3	18	3	1061	1861	1158	
12	444348	57.6	18	1	1513	-	-	
13	605228	80.4	18	1	1997	-	-	
14	101787	60.5	18	1	1829	-	-	
15	262991	89.8	18	1	1931	-	-	
16	422431	81.9	18	3	1894	1323	1503	
17	582812	95	18	3	1731	1436	1736	

Bin5 Statistics 28

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	134220	55.4	20	1	1691	-	-	1
1	397786	93.2	20	2	1625	1719	-	
2	660312	60	20	3	1784	1746	1856	
3	926750	64.5	20	1	1667	-	-	
4	101666	78.5	20	1	1846	-	-	
5	365458	61.5	20	2	1107	1753	-	
6	629317	86.4	20	2	1842	1065	-	
7	892845	96.4	20	2	1557	1773	-	
8	68966	73.5	20	3	1472	1944	1033	
9	332692	90.4	20	3	1243	1464	1007	
10	597380	91.4	20	1	1874	-	-	

Bin5 Statistics 29

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	523906	92.7	14	3	1393	1403	1598	1
1	22355	71.3	14	1	1410	-	-	
2	182708	83.2	14	3	1552	1528	1924	
3	344202	58.4	14	2	1755	1283	-	
4	503491	50.6	14	3	1740	1786	1695	
5	2468	54.2	14	3	1518	1859	1612	
6	163003	72	14	3	1327	1840	1586	
7	324426	62.6	14	2	1238	1698	-	
8	483883	79	14	3	1274	1963	1776	
9	647502	72.6	14	1	1781	-	-	
10	143371	72.2	14	3	1401	1090	1608	
11	305147	79.5	14	1	1739	-	-	
12	466617	51	14	1	1448	-	-	
13	626748	63.6	14	2	1216	1509	-	
14	124037	64.8	14	1	1630	-	-	
15	285413	97.9	14	1	1435	-	-	
16	446856	92.1	14	1	1282	-	-	
17	605857	79.3	14	3	1106	1354	1421	

Bin5 Statistics 30

Trial #	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
0	98307	54.3	18	3	1583	1141	1247	1
1	251445	66.9	18	1	1659	-	-	
2	403668	72.4	18	2	1467	1052	-	
3	555986	83.4	18	2	1429	1371	-	
4	79646	60.2	18	2	1923	1351	-	
5	232558	55	18	1	1844	-	-	
6	384098	75.9	18	3	1236	1402	1151	
7	536009	66.2	18	3	1055	1311	1830	
8	61025	59.9	18	1	1733	-	-	
9	213316	65.9	18	2	1415	1692	-	
10	365388	71.8	18	3	1233	1370	1110	
11	516600	86.9	18	3	1976	1315	1714	
12	42053	72.8	18	3	1559	1307	1190	
13	194534	93.4	18	2	1639	1492	-	
14	346588	86.6	18	3	1059	1611	1120	
15	500349	61.5	18	1	1899	-	-	
16	23337	67.3	18	2	2000	1242	-	
17	175651	57.4	18	2	1863	1655	-	
18	327410	78.3	18	3	1588	1437	1576	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence				
1	5500.0	9	1.0	333	1	5673	5335	5582	5344	5632
						5664	5577	5617	5479	5698
						5535	5351	5391	5583	5674
						5703	5663	5603	5585	5667
						5266	5436	5545	5620	5313
						5319	5580	5315	5435	5499
						5681	5460	5562	5295	5292
						5418	5685	5289	5383	5431
						5264	5287	5297	5717	5434
						5382	5476	5342	5496	5515
						5393	5523	5311	5657	5624
						5384	5449	5569	5692	5649
						5546	5676	5713	5346	5541
						5506	5365	5470	5501	5275
						5326	5486	5553	5533	5656
						5665	5488	5544	5366	5331
						5538	5284	5490	5445	5513
						5337	5340	5621	5573	5388
						5543	5368	5380	5623	5301
						5616	5648	5272	5678	5485
						(number of hits: 4)				
2	5500.0	9	1.0	333	1	5357	5450	5723	5664	5278
						5597	5449	5373	5684	5274
						5515	5634	5594	5543	5341
						5614	5451	5367	5577	5492
						5353	5259	5696	5356	5620
						5656	5345	5429	5615	5471
						5539	5435	5609	5689	5528
						5595	5419	5319	5394	5488
						5271	5628	5629	5486	5439
						5598	5267	5447	5638	5704
						5650	5677	5591	5602	5514
						5348	5576	5714	5391	5444
						5599	5270	5483	5560	5460
						5330	5372	5630	5362	5445
						5382	5320	5339	5547	5452
						5264	5369	5261	5623	5516
						5258	5643	5569	5257	5522
						5430	5366	5527	5275	5297

						5711	5416	5276	5359	5476
						5459	5335	5509	5518	5607
						(number of hits: 1)				
3	5500.0	9	1.0	333	1	5612	5689	5659	5350	5595
						5639	5374	5448	5372	5481
						5349	5423	5635	5263	5362
						5702	5578	5470	5525	5684
						5361	5425	5637	5445	5593
						5544	5672	5632	5341	5505
						5581	5324	5566	5429	5680
						5415	5558	5410	5665	5660
						5564	5334	5424	5679	5671
						5427	5721	5287	5703	5467
						5303	5565	5437	5302	5561
						5482	5301	5314	5357	5625
						5456	5308	5294	5394	5418
						5530	5609	5274	5619	5438
						5560	5588	5723	5695	5592
						5636	5304	5624	5461	5582
						5513	5686	5493	5363	5722
						5653	5614	5296	5443	5457
						5370	5524	5557	5641	5465
						5369	5299	5618	5535	5662
						(number of hits: 2)				
4	5500.0	9	1.0	333	1	5392	5453	5595	5511	5340
						5303	5396	5523	5535	5310
						5280	5687	5676	5458	5383
						5693	5608	5573	5570	5401
						5369	5591	5675	5437	5566
						5335	5621	5360	5445	5539
						5720	5688	5644	5454	5613
						5600	5501	5461	5416	5671
						5403	5417	5362	5347	5592
						5503	5407	5426	5723	5281
						5354	5343	5479	5519	5623
						5505	5670	5255	5286	5328
						5721	5315	5317	5379	5351
						5495	5404	5552	5313	5424
						5563	5699	5654	5561	5447
						5605	5616	5692	5294	5375
						5653	5442	5456	5259	5635
						5325	5421	5297	5377	5331
						5471	5306	5656	5252	5649

						5717 5664 5274 5553 5449 (number of hits: 4)
5	5500.0	9	1.0	333	1	5550 5692 5531 5672 5657 5345 5321 5501 5698 5517 5589 5573 5717 5653 5404 5306 5260 5579 5615 5593 5377 5660 5616 5526 5539 5473 5563 5549 5287 5674 5480 5384 5606 5433 5264 5689 5257 5569 5585 5500 5300 5587 5432 5290 5509 5334 5619 5694 5655 5570 5712 5423 5352 5383 5684 5597 5580 5299 5375 5262 5440 5680 5297 5318 5292 5393 5572 5296 5355 5385 5507 5663 5664 5675 5516 5401 5590 5586 5327 5716 5357 5259 5556 5395 5319 5545 5575 5496 5477 5340 5441 5666 5648 5647 5532 5552 5582 5413 5530 5418 (number of hits: 4)
6	5500.0	9	1.0	333	1	5330 5456 5467 5261 5402 5387 5343 5576 5289 5724 5520 5362 5283 5373 5425 5394 5682 5563 5310 5288 5351 5557 5518 5512 5489 5325 5669 5653 5607 5329 5340 5502 5380 5253 5403 5305 5625 5344 5499 5556 5583 5713 5352 5683 5264 5270 5592 5364 5290 5506 5473 5356 5621 5326 5721 5296 5571 5638 5312 5399 5504 5645 5272 5718 5519 5716 5429 5404 5566 5536 5554 5493 5666 5513 5651 5475 5424 5636 5567 5331 5606 5304 5354 5454 5459 5712 5282 5447 5633 5426 5318 5395 5661 5580 5277 5323 5632 5545 5414 5655 (number of hits: 5)
7	5500.0	9	1.0	333	1	5494.0, 5275.0, 5610.0, 5626.0, 5371.0, 5455.0, 5476.0,

						5585	5695	5403	5422	5719
						5429	5268	5651	5452	5456
						5451	5626	5324	5471	5446
						5482	5514	5310	5608	5502
						5296	5420	5595	5607	5485
						5377	5274	5397	5379	5641
						5468	5549	5297	5717	5532
						5542	5396	5421	5497	5510
						5395	5288	5495	5680	5668
						5250	5675	5325	5343	5349
						5672	5415	5447	5618	5284
						5592	5596	5619	5633	5335
						5724	5579	5286	5342	5287
						5368	5614	5458	5339	5479
						5669	5362	5627	5434	5544
						5304	5548	5450	5587	5295
						5367	5254	5649	5459	5554
						5639	5598	5380	5566	5593
						5351	5586	5311	5385	5700
						5407	5713	5443	5393	5283
						(number of hits: 3)				
8	5500.0	9	1.0	333	1	5365	5459	5436	5583	5464
						5568	5290	5251	5615	5285
						5415	5666	5467	5473	5641
						5413	5653	5694	5304	5586
						5536	5599	5458	5265	5601
						5600	5483	5675	5510	5438
						5254	5457	5306	5271	5584
						5487	5692	5650	5424	5331
						5371	5492	5260	5677	5597
						5705	5283	5383	5396	5658
						5700	5708	5723	5270	5562
						5472	5546	5590	5287	5500
						5669	5411	5255	5707	5543
						5711	5404	5446	5253	5617
						5698	5465	5294	5686	5603
						5393	5718	5664	5350	5529
						5674	5560	5368	5527	5369
						5362	5493	5305	5259	5466
						5431	5717	5516	5592	5345
						5494	5339	5462	5697	5372
						(number of hits: 4)				
9	5500.0	9	1.0	333	1	5620	5320	5372	5269	5306

						5610	5690	5326	5303	5492
						5691	5679	5503	5386	5488
						5561	5671	5516	5698	5508
						5655	5477	5688	5431	5531
						5550	5328	5587	5709	5552
						5327	5686	5672	5458	5469
						5723	5578	5585	5425	5338
						5645	5454	5430	5500	5674
						5429	5685	5366	5441	5449
						5448	5479	5409	5299	5568
						5660	5407	5319	5665	5614
						5718	5653	5440	5656	5523
						5420	5392	5548	5297	5438
						5482	5352	5590	5309	5493
						5510	5354	5573	5624	5623
						5564	5265	5335	5268	5451
						5385	5490	5611	5681	5598
						5282	5347	5603	5356	5517
						5336	5254	5489	5521	5696
						(number of hits: 5)				
10	5500.0	9	1.0	333	1	5303	5559	5308	5430	5526
						5652	5712	5401	5466	5699
						5622	5565	5544	5581	5509
						5649	5323	5522	5646	5700
						5698	5346	5418	5680	5404
						5419	5402	5531	5691	5268
						5594	5313	5643	5315	5707
						5289	5387	5669	5381	5578
						5349	5484	5537	5368	5265
						5671	5358	5665	5449	5499
						5502	5335	5355	5585	5350
						5304	5391	5353	5276	5454
						5597	5528	5532	5448	5656
						5647	5479	5599	5567	5609
						5379	5488	5415	5464	5534
						5397	5287	5458	5311	5429
						5539	5491	5606	5683	5405
						5690	5653	5720	5274	5328
						5299	5436	5263	5431	5371
						5604	5316	5607	5615	5373
						(number of hits: 2)				
11	5500.0	9	1.0	333	0					
12	5500.0	9	1.0	333	1	5338	5562	5655	5277	5588
						5358	5659	5551	5695	5260

						5387	5618	5626	5399	5253
						5577	5261	5609	5617	5581
						5397	5286	5350	5573	5678
						5365	5521	5336	5300	5566
						5557	5270	5633	5307	5568
						5473	5448	5506	5652	5259
						5325	5719	5648	5287	5594
						5528	5615	5518	5511	5487
						5582	5462	5452	5482	5415
						5619	5362	5405	5544	5377
						5706	5685	5546	5311	5703
						5591	5507	5354	5530	5682
						5705	5500	5460	5410	5704
						5400	5572	5550	5635	5331
						5442	5543	5401	5296	5433
						5351	5455	5607	5441	5284
						5449	5701	5713	5274	5407
						5255	5505	5569	5323	5262
						(number of hits: 4)				
13	5500.0	9	1.0	333	1	5593	5326	5591	5438	5430
						5400	5584	5626	5383	5467
						5318	5407	5667	5594	5572
						5341	5704	5356	5306	5625
						5650	5338	5375	5323	5364
						5530	5568	5370	5342	5552
						5514	5485	5310	5602	5707
						5564	5659	5663	5573	5408
						5657	5413	5284	5523	5508
						5698	5576	5277	5361	5638
						5503	5668	5713	5466	5365
						5316	5595	5363	5348	5360
						5491	5618	5529	5534	5317
						5456	5390	5265	5372	5399
						5589	5309	5386	5369	5692
						5396	5531	5412	5441	5464
						5614	5546	5314	5550	5475
						5395	5532	5647	5391	5719
						5699	5631	5521	5262	5336
						5403	5451	5329	5460	5504
						(number of hits: 3)				
14	5500.0	9	1.0	333	1	5276	5565	5527	5502	5650
						5442	5606	5701	5546	5296
						5627	5671	5708	5314	5593